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SOILS

77-000707 Eby, Carl F. SOIL SURVEY OF MORRIS COUNTY, NEW JERSEY. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 111p. + single-fold maps based on aerial photos and bound in. Aug. 1976. WR 165

77-000708 Ernst, James E.; Musgrave, Donald K.; Hayhurst, Ernest N. SOIL SURVEY OF LORAIN COUNTY, OHIO. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 99p. + single-fold maps based on aerial photos and bound in. July 1976. WR 165

77-000709 Fisher, Carl F.; Swafford, Bill SOIL SURVEY OF CANADIAN COUNTY, OKLAHOMA. U.S. Dep. Agric. Soil Conserv. Soil Surv. iii + 64p. + single-fold maps based on aerial photos and bound in. Oct. 1976. WR 165

77-000710 Fletcher, Louis A. SOIL SURVEY OF CHAFFEE-LAKE AREA, COLORADO. PARTS OF CHAFFEE AND LAKE COUNTIES. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 78p. + single-fold maps based on aerial photos and bound in. Oct. 1975. WR 165

77-000711 Gerald, Talbert R. SOIL SURVEY OF CLARENDON COUNTY, SOUTH CAROLINA. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 68p. + single-fold maps based on aerial photos and bound in. 1976. WR 165

77-000712 Johnson, Paul R. SOIL SURVEY OF BUTTE COUNTY, SOUTH DAKOTA. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 153p. + single-fold maps based on aerial photos and bound in. Aug. 1976. WR 165

77-000713 Kelly, Leo A. SOIL SURVEY OF VANDERBURGH COUNTY, INDIANA. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 91p. + single-fold maps based on aerial photos and bound in. June 1976. WR 165

77-000714 Kirby, Robert M. SOIL SURVEY OF DURHAM COUNTY, NORTH CAROLINA. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 74p. + single-fold maps based on aerial photos and bound in. [1976]. WR 165

77-000715 Kirkham, Wendell C. SOIL SURVEY OF SOMERSET COUNTY, NEW JERSEY. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 114p. + single-fold maps based on aerial photos and bound in. Dec. 1976. WR 165

77-000716 Lamar, Otho W.; Rhodes, Clifford E. SOIL SURVEY, TILLMAN COUNTY, OKLAHOMA. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 64p. + single-fold maps based on aerial photos and bound in. Aug. 1974. WR 165

77-000717 Langton, John E. SOIL SURVEY OF TREMPEALEAU COUNTY, WISCONSIN. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 121p. + single-fold maps based on aerial photos and bound in. Jan. 1977. WR 165

77-000718 Larance, Fred C.; Gill, Hiram V.; Fultz, Charles L. SOIL SURVEY OF DREW COUNTY, ARKANSAS. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 86p. + single-fold maps based on aerial photos and bound in. Dec. 1976. WR 165

77-000719 Middleton, Royce G.; Smith, Ernest H. SOIL SURVEY OF MILLER AND SEMINOLE COUNTIES, GEORGIA. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 44p. + single-fold maps based on aerial photos and bound in. Mar. 1976. WR 165

77-000720 Milbrandt, Allan C. SOIL SURVEY OF AMITE COUNTY, MISSISSIPPI. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 45p. + single-fold maps based on aerial photos and bound in. Apr. 1976. WR 165

77-000721 Neher, Raymond E.; Bailey, Oran F. SOIL SURVEY OF WHITE SANDS MISSILE RANGE, NEW MEXICO: PARTS OF DONA ANA, LINCOLN, OTERO, SIERRA, AND SOCORRO COUNTIES. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 64p. + single-fold maps based on aerial photos and bound in. Jan. 1976. WR 165

77-000722 Payne, Harley H. SOIL SURVEY OF BALDWIN, JONES, AND PUTNAM COUNTIES, GEORGIA. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 73p. + single-fold maps based on aerial photos and bound in. Sept. 1976. WR 165

77-000723 Pendleton, Robert F.; Dollar, Hershel D.; Law, Lloyd SOIL SURVEY OF BROWARD COUNTY AREA, FLORIDA. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 47p. + single-fold maps based on aerial photos and bound in. July 1976. WR 165

77-000724 Polone, Dock J. SOIL SURVEY OF WAGONER COUNTY, OKLAHOMA. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 66p. + single-fold maps based on aerial photos and bound in. June 1976. WR 165

77-000725 Rasmussen, Jack J. SOIL SURVEY OF YAKIMA INDIAN RESERVATION IRRIGATED AREA, WASHINGTON, PART OF YAKIMA COUNTY. U.S. Dep. Agric. Soil Conserv. Soil Surv. 51p. + single-fold maps based on aerial photos and bound in. 1976. WR 165

77-000726 Schulte, Ronald B.; Hammond, Charles L.; Mahnke, Charles F. SOIL SURVEY OF PIERCE COUNTY, NEBRASKA. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 106p. + single-fold maps based on aerial photos and bound in. Sept. 1976. WR 165

77-000727 Spicer, Bradley E.; Dance, Ray E.; Hargroder, Terry G. SOIL SURVEY OF ASCENSION PARRISH, LOUISIANA. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 54p. + single-fold maps based on aerial photos and bound in. Aug. 1976. WR 165

77-000728 Stevens, Jack W.; Richmond, Davie L. SOIL SURVEY OF UVALDE COUNTY, TEXAS. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 101p. + single-fold maps based on aerial photos and bound in. 1976. WR 165

77-000729 Weisenberger, B. C. SOIL SURVEY OF CARROLL, GALLATIN, AND OWEN COUNTIES, KENTUCKY. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 62p. + single-fold maps based on aerial photos and bound in. [1976]. WR 165

77-000730 Wendt, G. E. , and others SOIL SURVEY OF YAVAPAI COUNTY, ARIZONA. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 121p. + single-fold maps based on aerial photos and bound in. Mar. 1976. WR 165

77-000731 Wheeler, Frankie E. SOIL SURVEY OF HARRIS COUNTY, TEXAS. U.S. Dep. Agric. Soil Conserv. Soil Surv. viii + 140p. + single-fold maps based on aerial photos and bound in. Aug. 1976. WR 165

77-000732 Wiedenfeld, C. C.; Flores, P. H. SOIL SURVEY OF TOM GREEN COUNTY, TEXAS. U.S. Dep. Agric. Soil Conserv. Soil Surv. i + 58p. + single-fold maps based on aerial photos and bound in. Dec. 1976. WR 165

GENERAL CONSERVATION

77-000733 Hall, P. PRIORITIES FOR WILDLIFE CONSERVATION IN NORTH-EASTERN NIGERIA. Nigerian Field 41 (3): 99-112. Sept. 1976. WR 165
Includes appendices on protected and specially protected animals.

77-000734 Kirk, Gustav WIRKUNGSVOLLE NATURSCHUTZARBEIT IN SUDWEST-TAVASTLAND. [EFFECTIVE NATURE PROTECTION IN SOUTHWEST TAVASTLAND (FINLAND).] Suppl. Ric. Biol. Selvaggina 7 (1): 403-411. Sept. 1976. In German with Italian summ. WR 165

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77-000735 Dexter, Ralph W. CONTRIBUTIONS OF THE SALEM GROUP OF AGASSIZ ZOOLOGISTS TO NATURAL SCIENCE EDUCATION. Bios 47 (1): 25-30. Mar. 1976. WR 165
[Kent State Univ., Kent, Ohio 44242]

77-000736 Leporati, Lamberto , editor BIOGRAFIA DI AUGUSTO TOSCHI. [BIOGRAPHY OF AUGUSTO TOSCHI.] Suppl. Ric. Biol. Selvaggina 7 (1): 829-838. Sept. 1976. In Italian. WR 165
[Lab. Zool. Appl. Caccia, Bologna, Italy] Biographical sketch of Augusto Toschi with a classified bibliography of approximately 140 of his publications spanning the period 1930-1975.

77-000737 Behle, William H. IN MEMORIAM: STEPHEN DAVID DURRANT (1902-1975). J. Mammal. 58 (1): 111-118. Feb. 1977. WR 165
[Univ. Utah, Salt Lake City 84112] Includes a bibliography of 57 papers for the period 1934-1975.

PLANTS--GENERAL, ECOLOGY, TECHNIQUES

77-000738 Kerby, Ronald E. MAPPING WETLANDS ON BEAVER FLOWAGES WITH 35-MM PHOTOGRAPHY. Can. Field-Nat. 90 (4): 423-431. Oct.-Dec. 1976. WR 165
[Patuxent Wildl. Res. Cent., Laurel, Md. 20811]

PLANTS--FLORAS, COMMUNITIES, MANUALS

77-000739 Barkham, J. P.; Rainy, M. E. THE VEGETATION OF THE SAMBURU-ISIOLO GAME RESERVE. E. Afr. Wildl. J. 14 (4): 297-329. Dec. 1976. WR 165
[Univ. East Anglia, Norwich, England]

77-000740 Savage, Donald Robert SPECIES COMPOSITION AND SPATIAL DISTRIBUTION OF VEGETATIVE COMMUNITIES ON THE COOKSON HILLS STATE GAME REFUGE. M.S. thesis, Okla. State Univ. 194p. Dec. 1976. WR 165
Courtesy/ James C. Lewis

PLANTS--HABITAT SURVEYS

77-000741 Flood, Bettina S.; Sangster, Mary E.; Sparrowe, Rollin D.; Baskett, Thomas S. A HANDBOOK FOR HABITAT EVALUATION PROCEDURES. U.S. Fish Wildl. Serv. Resour. Publ. 132. ii + 77p. 1977. WR 165
[Univ. Mo., Columbia 65201] Field forms for evaluating habitats for forest game, upland game, tree squirrels, terrestrial furbearers, aquatic furbearers and waterfowl are presented with requirements and preferred foods for the species considered.

WILDLIFE--GENERAL

77-000742 Blem, Charles R.; Blem, Leann B. DENSITY, BIOMASS, AND ENERGETICS OF THE BIRD AND SMALL MAMMAL POPULATIONS OF AN ILLINOIS DECIDUOUS FOREST. Trans. Ill. State Acad. Sci. 68 (2): 156-164. 1975. WR 165
[Va. Commonwealth Univ., Richmond 23284] The floodplain bird and mammal populations each consistently had greater population density, standing crop biomass, consuming biomass and standard metabolism than their counterparts on the upland. Avian diversity was highest on the floodplain. Total annual minimal energy budgets are: floodplain mammals, 3,846 Mcal; floodplain birds, 3,371 Mcal; upland mammals, 2, 684 Mcal; and upland birds, 2,214 Mcal.

WILDLIFE--TECHNIQUES

77-000743 Anderson, David R.; Laake, Jeffrey L.; Crain, Bradford R.; Burnham, Kenneth P. GUIDELINES FOR LINE TRANSECT SAMPLING OF BIOLOGICAL POPULATIONS. Utah Coop. Wildl. Res. Unit ii + 28p. 1976. WR 165
[Utah Coop. Wildl. Res. Unit, Logan 84233]

77-000744 Schurholz, G. STRAHLUNG, RADIOMETER UND THERMALSCANNER: NEUE ASPEKTIN DER WILDBESTANDSAUFNAHME. [RADIATION, RADIOMETERS AND THERMAL SCANNERS: NEW ASPECTS OF WILDLIFE INVENTORY.] Z. Jagdwiss. 22 (4): 202-216. Dec. 1976. In German with French and English summ. WR 165
This report discusses the theory of some basic physics as related to radiation in general and the energy budget of animals in particular in order to establish the necessary basis for the rational utilization of radiometers and thermal infrared scanners in wildlife inventory. A model of an animal body served as an example to illustrate changing budgets of the emmission of the body surface depending upon wavelength and surface character, with temperature as an important agent.

77-000745 Smith, Robert William NUMERICAL ANALYSIS OF ECOLOGICAL SURVEY DATA. Ph. D. dissertation, Univ. Southern Calif. 1976. From Diss. Abstr. Int. B Sci. Eng. 37(9), 1977. WR 165

77-000746 Zarnoch, Stanley Joseph III EVALUATION OF ESTIMATORS OF POPULATION SIZE BASED ON SIMULATION TECHNIQUES. Ph. D. dissertation, Va. Polytech. Inst. & State Univ. 204p. 1976. From Diss. Abstr. Int. B Sci. Eng. 37(5), 1976. WR 165

WILDLIFE--FAUNAS, NATURAL HISTORY, MANUALS

77-000747 Benoit, Jacques FACTEURS ECOLOGIQUES ET REPRODUCTION CHEZ LES VERTEBRES. [ECOLOGICAL FACTORS AND REPRODUCTION IN VERTEBRATES.] Bull. Soc. Zool. Fr. 100 (1): 25-41. 1975. In French. WR 165
Fish, Amphibians, Reptiles, birds and mammals are considered.

77-000748 Calastri, Adalberto; Cervi, Ortensio; Spagnesi, Mario; Stinchi, Eros CONTRIBUTO ALLA CONOSCENZA DELL'OASI FAUNISTICA DI PUNTE ALBERETE (RAVENNA). [CONTRIBUTION TO THE KNOWLEDGE OF THE PUNTE ALBERETE BIOTOPE (RAVENNA).] Suppl. Ric. Biol. Selvaggina 7 (1): 121-153. Sept. 1976. In Italian with English summ. WR 165
[Lab. Zool. Appl. Caccia, Bologna, Italy] Includes a preliminary list of the vertebrates.

77-000749 Matyushkin, E. N. [EUROPEAN--EAST-ASIAN BREAK BETWEEN THE RANGES OF TERRESTRIAL VERTEBRATES.] Zool. Zh. 55 (9): 1277-1291. Sept. 1976. In Russian with English summ. WR 165
[State Univ. Moscow, Moscow, USSR]

77-000750 Panik, Howard Ronald THE VERTEBRATE STRUCTURE OF PINON-JUNIPER WOODLAND COMMUNITY IN NORTHWESTERN NEVADA. Ph. D. dissertation, Univ. Nev. 319p. 1976. From Diss. Abstr. Int. B Sci. Eng. 37(7), 1977. WR 165
Data were collected on ninety-eight flocks of birds observed in the pinon-juniper. Forty-five of the ninety-eight were mixed species foraging flocks. A comprehensive analysis of the mixed flocks was conducted. Twenty-three species of mammals (23 percent of the total vertebrate species) were observed or their presence was indicated in the pinon-juniper. Dominant species of the small mammal community were /Peromyscus maniculatus/, /P. truei/, /Perognathus parvus/, and /Neotoma lepida/. Common species of small and large mammals observed were /Sylvilagus/ spp., /Spermophilus beecheyi/, /Canis latrans/, and /Odocoileus hemionus/.

77-000751 Roig, Virgilio German; Contreras, Julio Rafael APORTES ECOLOGICOS PARA LA BIOGEOGRAFIA DE LA PROVINCIA DE MENDOZA. [ECOLOGICAL CONTRIBUTIONS TO THE BIOGEOGRAPHY OF THE MENDOZA PROVINCE] Ecosur 2 (4): 185-217. Sept. 1975. In Spanish with English summ. WR 165
[Inst. Argentino Invest. Zonas Aridas, Casilla de Correo 507, 5500 Mendoza, Argentina]

77-000752 Schlanger, S. O.; Gillett G. W. A GEOLOGICAL PERSPECTIVE OF THE UPLAND BIOTA OF LAYSAN ATOLL (HAWAIIAN ISLANDS). Biol. J. Linn. Soc. 8 (3): 205-216. Sept. 1976. WR 165
[Univ. Leiden, Leiden, Netherlands]

77-000753 Senanayake, Falika Ranil HABITAT VALUES AND ENDEMICITY IN THE VANISHING RAIN FORESTS OF SRI LANKA. Nature 265 (5592): 351-354. 27 Jan. 1977. WR 165
[Univ. Calif., Davis 95616] Includes a list of endemic amphibians, lizards and birds of Sri Lanka.

77-000754 Thomas, D. J.; Gilmore, A. M. THE TERRESTRIAL VERTEBRATE FAUNA OF THE DARTMOUTH DAM INUNDATION AREA. Aust. Wildl. Res. 3 (2): 189-208. Oct. 1976. WR 165
[Arthur Rylah Res. Inst., 123 Brown St., Heidelberg, Victoria 3084, Australia] A survey of the terrestrial vertebrate fauna of the Dartmouth Dam inundation area has shown the presence of 24 mammal, 100 bird, 24 reptile, and 10 anuran species.

77-000755 Zangheri, Pietro LA NATURA IN ROMAGNA. [NATURE IN ROMAGNA (ITALY).] Suppl. Ric. Biol. Selvaggina 7 (1): 727-822. Sept. 1976. In Italian with French summ. WR 165
[Univ. Florence, Florence, Italy] Ecology and Conservation.

WILDLIFE--NATURAL AREAS & REFUGES

77-000756 Franklin, Jerry F. THE BIOSPHERE RESERVE PROGRAM IN THE UNITED STATES. Science 195 (4275): 262-267. 21 Jan. 1977. WR 165
[Pacific Northwest Forest & Range Exp. Stn., Corvallis, Oreg. 97330] Summary: The objective of the biosphere reserve program is to identify and protect representative and unique segments of the world's biotic provinces as major centers for biotic and genetic preservation, ecological and environmental reserach, education, and demonstration. It is intended to be more than simply another program of preservation layered onto existing parks and reserves. The success of the program will depend in large measure on the overall significance of the selected reserves and the degree to which they are active sites for scientific research and monitoring.

77-000757 Kirkpatrick, Ralph D. STATUS OF FORMER WILDLIFE REFUGES IN EAST-CENTRAL INDIANA. Proc. Ind. Acad. Sci. 84: 214-215. 1975. WR 165
[Ball State Univ., Muncie, Ind. 47306] Abstract only.

77-000758 Pratesi, Fulco LE OASI DELL'ASSOCIAZIONE ITALIANA PER IL WORLD WILDLIFE FUND (FONDO MONDIALE PER LA NATURA). [THE REFUGES OF THE ITALIAN ASSOCIATION OF THE WORLD WILDLIFE FUND.] Suppl. Ric. Biol. Selvaggina 7 (1): 649-675. Sept. 1976. In Italian with French summ. WR 165
[Stazione Romana Osservazione & Protezione Uccelli, Rome, Italy] Descriptions of the 9 World Wildlife Fund Refuges of Itlay.

WILDLIFE--ENDANGERED & THREATENED SPECIES

77-000759 Clancy, Jack A LOOK AT MASSACHUSETTS WILDLIFE. Mass. Wildl. 27 (1): 7-9,12-16. May-June 1976. WR 165
More than 100 spp. of wildlife "could be heading for oblivion" in Massachusetts.

77-000760 McLain, Pete THE PLIGHT OF ENDANGERED SPECIES AND NONGAME MANAGEMENT PROGRAMS. N.J. Outdoors 4 (1): 17,20-22. Jan. 1977. WR 165

77-000761 McReynolds, H. E. THREATENED SPECIES: A REVIEW OF THE EASTERN NATIONAL FORESTS' STUDIES OF THESE ANIMALS. Proc. Ind. Acad. Sci. 84: 250-257. 1975. WR 165
[USDA, Forest Service, Bedford, Ind. 47421] Abstract: The Eastern Region of the Forest Service has shown a deep interest in endangered and threatened species of wildlife. Throughout this Region, which corners roughly on Minnesota, Missouri, Maryland, and Maine, various studies of these rare animals have been undertaken. Most often, the Forest Service has preferred to contract with recognized authorities for these studies, rather than attempt to conduct them with Forest Service biologists. Many of these studies have been assigned to academic personnel, with generally favorable results.

77-000762 Mowrey, Robert A. OF HABITATS AND ENDANGERED SPECIES. Wash. Wildl. 28: (2): 12-14. 1976. WR 165
Popular account of a more detailed report in the Washington Environmental Atlas published by the U.S. Army Corps of Engineers in 1975.

77-000763 Nowak, Ronald M. OUR AMERICAN WILDLIFE: 1776-1976. Natl. Parks Conserv. Mag. 50 (11): 14-18. Nov. 1976. WR 165
"The story of American wildlife tells of exploitation and encroachment on habitat until recent efforts on behalf of endangered and threatened species." One of a series on endangered species. Includes a list of threatened, endangered and extinct American wildlife as of October 1976.

77-000764 Siegfried, W. R.; Frost, P. G. H.; Cooper, J. RARE AND VULNERABLE BIRDS IN SOUTH AFRICA. Biol. Conserv. 10 (2): 83-93. Sept. 1976. WR 165
[Percy FitzPatrick Inst., Rondebosch 7700, South Africa] Includes a list of 101 spp.

WILDLIFE--INTRODUCTIONS

77-000765 Banks, Richard C. WILDLIFE IMPORTATION INTO THE UNITED STATES, 1900-1972. U.S. Fish Wildl. Serv. Spec. Sci. Rep.--Wildl. no. 200. i + 18p. 1976. WR 165
[U.S. Fish & Wildl. Serv., Washington, D.C. 20240] Tabulations and analysis of birds, mammals, reptiles and amphibians imported during the period.

77-000766 Lesel, R.; Derenne, Ph. INTRODUCING ANIMALS TO ILES KERGUELEN. Polar Record 17 (110): 485-494. May 1975. WR 165
[Cent. Rech. Hydrobiol., BP 79, 64200 Biarritz, France] Herbivorous and carnivorous animals, birds and salmonids.

WILDLIFE--MORPHOLOGY & PHYSIOLOGY

77-000767 Cornelius, C. E.; Kelley, K. G.; Himes, J. A. HETEROGENEITY OF BILIRUBIN CONJUGATES IN SEVERAL ANIMAL SPECIES. Cornell Vet. 65 (1): 90-99. Jan. 1975. WR 165
[Univ. Fla., Gainesville 32611] /Alligator mississippiensis/, /Dasypus novemcinctus/, /Didelphis marsupialis/, /Oryctolagus cuniculus/, /Procyon lotor/, /Coluber constrictor/ and domestic animals.

77-000768 Pierson, Martha Gail AN ELECTROPHYSIOLOGICAL EVALUATION OF HOMOLOGY BETWEEN THE COCHLEAE OF BIRDS AND MAMMALS. Ph. D. dissertation, Northwestern Univ. 269p. 1976. From Diss. Abstr. Int. B Sci. Eng. 37(7), 1977. WR 165

77-000769 Tsui, Hing Wo GONADOTROPIN CONTROL OF ANDROGEN PRODUCTION IN REPTILIAN AND AVIAN TESTES. Ph. D. dissertation, Univ. Calif. (Berkeley) 89p. 1976. From Diss. Abstr. Int. B Sci. Eng. 37(9), 1977. WR 165

WILDLIFE--BEHAVIOR

77-000770 Panov, E. N. [PROBLEM OF COMMUNICATION IN ANIMALS: ITS STATE AND PROSPECTS OF DEVELOPMENT.] Zool. Zh. 55 (11): 1597-1611. Nov. 1976. In Russian with English summ. WR 165
[Inst. Animal Evolutionary Morphol. & Ecol., USSR Acad. Sci., Moscow, USSR]

77-000771 Pohl, Hermann PROPORTIONAL EFFECT OF LIGHT ON ENTRAINED CIRCADIAN RHYTHMS OF BIRDS AND MAMMALS. J. Comp. Physiol. A Sens. Neural Behav. Physiol. 112 (1): 103-108. 1976. WR 165
[Max-Planck-Inst. Verhaltensphysiol., D-8131 Erling-Andechs, West Germany] Circadian rhythms of locomotor activity of two species of finches, /Fringilla coelebs/ and /Carduelis chloris/, and four rodent species, /Mesocricetus auratus/, /Glis glis/, /Eutamias sibiricus/ and /Funambulus/ sp., were studied under the influence of 12:12 h light-dark (LD) cycles with different levels of illumination during L and D.--From summ.

WILDLIFE--POPULATION DYNAMICS

77-000772 Baldacci, Ugo CAPIENZA FAUNISTICA DI UN TERRITORIO. [THE FAUNISTIC CAPACITY OF A TERRITORY.] Suppl. Ric. Biol. Selvaggina 7 (1): 7-22. Sept. 1976. In Italian with French summ. WR 165
[Aziendo Fauno Forestale, Miemo (Pisa), Italy]

77-000773 Pirino, Renzo LO STUDIO DELLA DINAMICA DELLE POPOLAZIONI DELLA FAUNA SELVATICA AI FINI DELLA CONSERVAZIONE. [THE STUDY OF THE POPULATION DYNAMICS OF WILDLIFE UNDER A CONSERVATION PROGRAM.] Suppl. Ric. Biol. Selvaggina 7 (1): 579-593. Sept. 1976. In Italian with English summ. WR 165
[Univ. Sassari, Sardinia, Italy]

WILDLIFE--MORTALITY & SURVIVAL

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[Univ. Nebr., Lincoln 68503] Abstract only.

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[Univ. Nebr., Lincoln 68503] Abstract only.

WILDLIFE--PESTICIDES & POLLUTION

77-000776 Johnson, Clifford Ray HERBICIDE TOXICITIES IN SOME AUSTRALIAN ANURANS AND THE EFFECT OF SUBACUTE DOSAGES ON TEMPERATURE TOLERANCE. Zool. J. Linn. Soc. 59 (1): 79-83. Aug. 1976. WR 165
[Univ. Calif. Berkeley, 1050 San Pablo Ave., Albany 94706]
/Adelotus brevis/, /Limnodynastes peroni/, /L. tasmaniensis/, /Litoria ewingi/ and /Bufo marinus/.

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[Univ. Guelph, Guelph, Ontario, Canada N1G 2W] /Rana pipiens/.

77-000779 Solly, S. R. B.; Shanks, V. ORGANOCHLORINE RESIDUES IN NEW ZEALAND BIRDS AND MAMMALS. 2. POLYCHLORINATED BIPHENYLS. N. Z. J. Sci. 19 (1): 53-55. Mar. 1976. WR 165
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WILDLIFE--PARASITES & DISEASES

77-000780 Bhutta, Mohammad Sharif; Khan, Daler DIGENETIC TREMATODES OF VERTEBRATES FROM PAKISTAN. Bull. Dep. Zool. Univ. Panjab (New Ser.) Art. 8. vii + 175p. 1975. Available at 25.00 Rs. from Department of Zoology, University of Panjab, New Campus, Lahore, Pakistan. WR 165
[Univ. Panjab, Lahore, Pakistan] In all, 67 spp. representing 57 genera, 36 subfamilies and 26 families are described.--From abstr.

77-000781 Buscher, Henry N.; Tyler, Jack D. PARASITES OF VERTEBRATES INHABITATING PRAIRIE DOG TOWNS IN OKLAHOMA. II. HELMINTHS. Proc. Okla. Acad. Sci. 55: 108-111. 1975. WR 165
[Austin Coll., Sherman, Tex.] Abstract: Nine species of helminths, including five cestodes, two trematodes and two nematodes, are reported from 62 vertebrates collected from active prairie dog towns in Oklahoma. Three of the helminths appear to be new species and seven new host records are reported. Some host-parasite relationships are discussed. /Cynomys ludovicianus/, /Sylvilagus auduboni/, /spermaphilus tridecemlineatus/ and /Speotyto cunicularia/.

77-000782 Farrington, Daniel O.; Jorgenson, Richard D. PREVALENCE OF /BORDETELLA BRONCHISEPTICA/ IN CERTAIN WILD MAMMALS AND BIRDS IN CENTRAL IOWA. J. Wildl. Dis. 12 (4): 523-525. Oct. 1976. WR 165
[Iowa State Univ., Ames 50011]

77-000783 Quentin, J.-C.; Wertheim, Guta HELMINTHES D'OISEAUX ET DE MAMMIFERES D'ISRAEL. V. - SPIRURIDES NOUVEAUX OU PEU CONNUS. [HELMINTHS OF BIRDS AND MAMMALS FROM ISRAEL. V. NEW OR LITTLE KNOWN SPIRURIDS (NEMATODA - SPIRURIDAE).] Ann. Parasitol. Hum. Comp. 50 (1): 63-85. Jan.-Feb. 1975. In French with English summ. WR 165
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77-000784 Tyler, Jack D.; Buscher, Henry N. PARASITES OF VERTEBRATES INHABITING PRAIRIE DOG TOWNS IN OKLAHOMA. I. ECTOPARASITES. Proc. Okla. Acad. Sci. 55: 166-168. 1975. WR 165
[Cameron Coll., Lawton, Okla.] Seven species of ectoparasites including three fleas, two mallophaga, one tick and one dipteran larva were identified. The potentiality of these ectoparasites for functioning in epizootics is discussed.--From abstr. /Sylvilagus auduboni/, /Cynomys ludovicianus/ and /Speotyto cunicularia/.

77-000785 Wertheim, Guta; Durette-Desset, Marie-Claude HELMINTHES DE MAMMIFERES ET D'OISEAUX D'ISRAEL. VI. - LA TAXONOMIE ET L'ECOLOGIE DES NEMATODES TRICHOSTRONGYLOIDES. [HELMINTHS OF BIRDS AND MAMMALS FROM ISRAEL. VI. THE TAXONOMY AND ECOLOGY OF TRICHOSTRONGYLID NEMATODES.] Ann. Parasitol. Hum. Comp. 50 (6): 735-762. Nov.-Dec. 1975. In French with English summ. WR 165
[Hebrew Univ., Jerusalem, Israel]

WILDLIFE--ECONOMICS, DAMAGE, PREDATION, CONTROL

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/Ficedula hypoleuca/ and /Parus cristatus/ were prey species.

HUNTING--AREAS & PROBLEMS

77-000787 Eyman, F. E. "Bud" HUNTER SAFETY GOES TO SCHOOL (A CLASSROOM CHALLENGE TO THE ANTI CROWD). PART II. Proc. Annu. Conf. Southeast. Assoc. Game Fish Comm. 28: 754-755. 1975. WR 165
[Mo. Dep. Conserv., Jefferson City]

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WILDLIFE--HARVEST & HUNTING STATISTICS

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[Oreg. Dep. Fish & Wildl., Portland 97208] "Oregon's big game hunters spent 2,555,700 days afield and bagged 54,980 deer, 15,351 elk, 1,541 bear, 628 antelope, 15 cougar and 13 bighorn sheep."

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[Oreg. Dep. Fish & Wildl., Portland 97208] "The survey shows the 89,300 upland bird hunters spent 622,300 days afield and bagged 833,000 game birds while 60,800 waterfowl hunters were afield 595,000 days and harvested 853,000 ducks and geese."

77-000791 Myers, James E. HUNTING AND THE HUNTED OF RHODE ISLAND. R.I. Div. Fish & Wildl., Wildl. Pamphlet no. 10. [66p., unpaged] Aug. 1976. WR 165
A review of Rhode Island hunter information for the period 1920-1974.

WILDLIFE--MANAGEMENT & RESEARCH--GENERAL

77-000792 Calligaris, Chiara; Perco, Fabio; Perco, Franco LA GESTIONE DEL PATRIMONIO FAUNISTICO NELLA PROVINCIA DI TRIESTE. [THE MANAGEMENT OF THE WILDLIFE RESOURCES IN THE PROVINCE OF TRIESTE.] Suppl. Ric. Biol. Selvaggina 7 (1): 155-207. Sept. 1976. In Italian with English summ. WR 165
[Univ., Trieste, Trieste, Italy]

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[Nebr. Game & Parks Comm. P.O. Box 30320, Lincoln 68503] A special 16-page section explaining the new concept in land acquisition and development.

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WETLANDS & WILDLIFE

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77-000798 Parkhurst, James Albert FRESHWATER WETLAND DYNAMICS AND RELATED IMPACTS ON WILDLIFE IN SOUTH KINGSTOWN, RHODE ISLAND, 1939-1972. M.S. thesis, Univ. R.I. 104p. 1977. WR 165
Based on aerial and field surveys of 214 freshwater wetlands. Some types of wildlife, particularly forest songbirds, benefitted from the great increase in wooded swamp, while wildlife primarily adapted to shrub swamps were adversely affected by the sharp declines in the abundance of that type. Waterfowl, muskrat (/Ondatra zibethica/) and wading bird habitat remained relatively stable as declines in the abundance of shallow marsh and meadow were partially balanced by increases in deep marsh.--From abstr.--Courtesy/ Frank C. Golet.

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RANGELAND, TUNDRA & WILDLIFE

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FORESTS & WILDLIFE

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[U.S. Forest Serv., Missoula, Mont. 59801]

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/Odocoileus virginianus/ and /Philohela minor/.--Courtesy/ Mary Miksa.

77-000803 Frochot, B. INFLUENCE DE L'EXPLOITATION FORESTIERE SUR LA REPRODUCTION DES OISEAUX. [INFLUENCE OF FORESTRY MANAGEMENT ON BIRD BREEDING.] Bull. Soc. Zool. Fr. 100 (1): 77-84. 1975. In French with English summ. WR 165
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[Inst. Sylviculture EPF, Zurich, Switzerland]

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77-000806 Anderson, Stanley H.; Mann, Kathleen; Shugart, Herman H., Jr. THE EFFECT OF TRANSMISSION-LINE CORRIDORS ON BIRD POPULATIONS. Am. Midl. Nat. 97 (1): 216-221. Jan. 1977. WR 165
[Patuxent Wildl. Res. Cent., Laurel, Md. 20811]

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[Ky. Dep. Fish & Wildl. Resour., Frankfort] "In money, land and wildlife."

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77-000809 Bragg, Thomas B. CHANGES IN VEGETATION AND LAND-USE ON THE MISSOURI RIVER FLOODPLAIN FROM 1826 TO 1972. Proc. Nebr. Acad. Sci. 85: 9. 1975. WR 165
[Univ. Nebr., Omaha 68101] Abstract only.

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[Univ. Nebr., Omaha 68101] Abstract only.

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The objectives were to determine differences in the effects of logging and fire on populations of mule deer (/Odocoileus hemionus/), elk (/Cervus canadensis/), small mammals, and birds. Possible explanations for the differences are discussed and recommendations are made which would make clearcutting more closely simulate a forest fire.--From abstr.

77-000813 Eltringham, S. K. THE FREQUENCY AND EXTENT OF UNCONTROLLED GRASS FIRES IN THE RWENZORI NATIONAL PARK, UGANDA. E. Afr. Wildl. J. 14 (3): 215-222. Sept. 1976. WR 165
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[Mich. Technol. Univ., Houghton 49931] /Pelecanus erythrorhynchos/.

77-000816 Kirkland, Gordon L., Jr. PRELIMINARY SAMPLING OF SMALL MAMMALS ON CLEARCUT AND UNCUT RED SPRUCE STANDS IN WEST VIRGINIA. Proc. W. Va. Acad. Sci. 46 (2): 150-154. 1974. WR 165
[Shippensburg State Coll., Shippensburg, Pa. 17257] The masked shrew, /Sorex cinereus/, the cloudland deer mouse, /Peromyscus maniculatus nubiterrae/, and the yellow-nosed vole, /Microtus chrotorrhinus/ were conspicuously more abundant in the clearcuts than in the uncut portions of the stands.--From abstr.

77-000817 Leege, Thomas A. RELATIONSHIP OF LOGGING TO DECLINE OF PETE ELK HERD. Proc. Elk-Logging-Roads Symp. (Moscow, Idaho) p. 6-10. Dec. 1976. WR 165
[Idaho Dep. Fish & Game, Kamiah 83536] /Cervus elaphus/ in Idaho.

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77-000823 Wallenstrom, Rolf L. THE HISTORY AND PRESENT STATUS OF THE MID-STATE PROJECT. Proc. Int. Crane Workshop 1: 139-140. 1976. WR 165
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[Miss. State Univ., Mississippi State 39762] /Ardea herodias/.

77-000825 Yahner, Richard H.; Garton, Anthony W.; Howell, Joseph C. BREEDING AVIFAUNA ASSOCIATED WITH TWO STRIP MINE AREAS. J. Tenn. Acad. Sci. 50 (3): 95-98. July 1975. WR 165
[Ohio Univ., Athens 47501]

77-000826 Yahner, Richard H.; Howell, Joseph C. HABITAT USE AND SPECIES COMPOSITION OF BREEDING AVIFAUNA IN A DECIDUOUS FOREST ALTERED BY STRIP MINING. J. Tenn. Acad. Sci. 50 (4): 142-147. Oct. 1975. WR 165
[Ohio Univ., Athens 45701]

MAMMALS--GENERAL

77-000827 Berkowitz, Albert Stanley LITHOLOGIC, EDAPHIC, AND BIOTIC FACTORS OF SMALL MAMMAL HABITATS IN THE SLATE BELT OF WESTERN RUTLAND COUNTY, VERMONT, AND EASTERN WASHINGTON COUNTY, NEW YORK. Ph. D. dissertation, State Univ. N.Y. (Binghamton) 200p. 1977. From Diss. Abstr. Int. B Sci. Eng. 37(9), 1977. WR 165
Species trapped included /Peromyscus leucopus noveboracensis/, /Peromyscus maniculatus gracilis/, /Sorex fumeus/, /Blarina brevicauda/, /Clethrionomys gapperi/, /Napaeozapus insignis/, /Condylura cristata/, /Zapus hudsonius/, /Microtus pennsylvanicus/, and /Tamias striatus/.

77-000828 Hassien, Frederick Dale A SEARCH FOR BLACK-FOOTED FERRETS IN THE OKLAHOMA PANHANDLE AND ADJACENT AREA AND AN ECOLOGICAL STUDY OF BLACK-TAILED PRAIRIE DOGS IN TEXAS COUNTY, OKLAHOMA. M.S. thesis, Okla. State Univ. 112p. May 1976. WR 165
/Cynomys ludovicianus/ and /Mustela nigripes/.--Courtesy/ James C. Lewis.

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77-000830 Pucek, Michalina POLISH THERIOLOGICAL BIBLIOGRAPHY, 1975. Acta Theriol. 21 (39): 549-568. Nov. 1976. WR 165

77-000831 Roscoe, Britt; Majka, Chris FIRST RECORDS OF THE ROCK VOLE (/MICROTUS CHROTORRHINUS/) AND THE GASPE SHREW (/SOREX GASPENSIS/) FROM NOVA SCOTIA AND A SECOND RECORD OF THE THOMPSON'S PYGMY SHREW (/MICROSOREX THOMPSONI/) FROM CAPE BRETON ISLAND. Can. Field-Nat. 90 (4): 497-498. Oct.-Dec. 1976. WR 165
[Lawrencetown, Nova Scotia B0S 1M0, Canada]

MAMMALS--TECHNIQUES

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77-000833 Swift, David M.; Steinhorst, R. Kirk A TECHNIQUE FOR ESTIMATING SMALL MAMMAL POPULATION DENSITIES USING A GRID AND ASSESSMENT LINES. Acta Theriol. 21 (32): 471-480. Nov. 1976. In English with Polish summ. WR 165
[Colo. State Univ., Fort Collins 80523] Abstract: A technique, for estimating densities of small mammal populations utilizing live trapping on a grid and assessment lines is presented. Information from the assessment lines permits estimation of the area of effect of the grid and of the proportion of the population marked within that area. These, in conjunction with the number of animals known to have marked on the grid, yield a Lincoln Index-type of estimate of population density. Results of a field validation study of the technique are presented.

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[Memphis State Univ., Memphis, Tenn. 38152] Small mammal trapping.

MAMMALS--FAUNAS, COMMUNITIES, MANUALS

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[Utah State Univ., Logan]

77-000836 Fassler, David J. MAMMALS OF PULASKI COUNTY, KENTUCKY. Trans. Ky. Acad. Sci. 35 (1-2): 37-43. June 1974. WR 165
[Prudential Insurance Co., 621 South 10th St., Bozeman, Mont. 59715]

77-000837 Krebs, Charles J.; Wingate, Irene SMALL MAMMAL COMMUNITIES OF THE KLUANE REGION, YUKON TERRITORY. Can. Field-Nat. 90 (4): 379-389. Oct-Dec. 1976. WR 165
[Univ. British Columbia, Vancouver, British Columbia V6T 1W5, Canada] Data for 19 spp.

77-000838 Matson, John O. RECORDS OF MAMMALS FROM ZACATECAS, MEXICO. J. Mammal. 58 (1): 110. Feb. 1977. WR 165
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[Univ. Calif., Berkeley 94702] List of 79 spp.

MAMMALS--MORPHOLOGY & PHYSIOLOGY

77-000840 Allison, Truett SLEEP IN MAMMALS: ECOLOGICAL AND CONSTITUTIONAL CORRELATES. Science 194 (4266): 732-734. 12 Nov. 1976. WR 165
[Veterans Admin. Hospital, West Haven, Conn. 06516] Abstract: The interrelationships between sleep, ecological, and constitutional variables were assessed statistically for 39 mammalian species. Slow-wave sleep is negatively associated with a factor related to body size, which suggests that large amounts of this sleep phase are disadvantageous in large species. Paradoxical sleep is associated with a factor related to predatory danger, which suggests that large amounts of this sleep phase are disadvantageous in prey species.

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[Nuffield Inst. Comp. Med., Regents Park, London NW14RY, England] /Adena kob/ and /Crocuta crocuta/.

77-000842 Goldschmid-Lange, Ulrike UEBER DIE MORPHOLOGISCHEN UNTERSCHIEDE IM AUFBAU DER FACIALEN VIBRISSEN EINIGER SAEUGETIERARTEN. [THE MORPHOLOGICAL DIFFERENCES OF THE STRUCTURE OF THE FACIAL VIBRISSAE OF VARIOUS MAMMALS.] Zool. Anz. 196 (5/6): 417-427. 1976. In German with English summ. WR 165
[Leonhard-von-Keutschach Strasse 12, A-5020 Salzburg, Austria] Abstract: The morphological differences of the whiskers in 38 different species of mammals are studied with histological methods. Differences may be found in all parts of the follicle; e.g. in the ring sinus, the ring wulst, the cavernous sinus, the inner connective tissue sheath and the outer root sheath. Intraspecific differences were not found.

77-000843 Hagen, Horst BEITRAG ZUM ALBINISMUS BEI AFRIKANISCHEN SAEUGETIEREN. [NOTES OF THE ALBINISM IN THE AFRICAN MAMMALS.] Saeugetierkd. Mitt. 24 (2): 133-137. 1976. In German with English summ. WR 165
[Bremer Str. 16, 2148 Zeven, West Germany] Review paper.

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[Open Univ., Walton Hall, Milton Keynes MK7 6AA, England]

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[Univ. Sydney, Sydney, New South Wales 2006, Australia]

77-000846 Thomas, Kim Rutherford CRANIOMETRIC VARIATION IN SEVEN SPECIES OF SMALL MAMMALS IN RELATION TO ENVIRONMENTAL AND COMPETITIVE FACTORS. Ph. D. dissertation, La. State Univ. 253p. 1976. From Diss. Abstr. Int. B Sci. Eng. 37(6), 1976. WR 165
/Blarina brevicauda/, /Cryptotis parva/, /Reithrodontomys fulvescens/, /Peromyscus leucopus/, /P. gossypinus/, /Sigmodon hispidus/ and /Mus musculus/ from Louisiana.

77-000847 Young, Ruth A. FAT, ENERGY AND MAMMALIAN SURVIVAL. Am. Zool. 16 (4): 699-710. 1976. WR 165
[Univ. Vt., Burlington 05401] /Citellus lateralis/, /Onychomys torridus torridus/ and /O. leucogaster articeps/.

MAMMALS--BEHAVIOR

77-000848 Kavanau, J. Lee; Havenhill, Roy M. COMPULSORY REGIME AND CONTROL OF ENVIRONMENT IN ANIMAL BEHAVIOR. III. LIGHT LEVEL PREFERENCES OF SMALL NOCTURNAL MAMMALS. Behaviour 59 (3-4): 203-225. 1976. In English with German summ. WR 165
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[Northern Prairie Wildl. Res., Cent., Jamestown, N. Dak. 58401] Abstract: A method of calculating distance and bearing from banding site to recovery location based on the solution of a spherical triangle is presented. X and Y distances on an ordinate grid were applied to computer plotting of recoveries on a map. The advantages and disadvantages of tables of recoveries by State or degree block, axial lines, and distance of recovery from banding site for presentation and comparison of the spatial distribution of band recoveries are discussed. A special web-shaped partition formed by concentric circles about the point of banding and great circles at 30-degree intervals through the point of banding has certain advantages over other methods. Comparison of distributions by means of a chi^2 contingency test is illustrated. The statistic $V = chi^2/N$ can be used as a measure of difference between two distributions of band recoveries and its possible use is illustrated as a measure of the degree of migrational homing.

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[Northern Prairie Wildl. Res. Cent., Jamestown, N. Dak. 58401] Abstract: Recovery records from banded birds are ideally suited to computer processing. A data editing routine and five programs to tabulate band recovery data for analysis are presented with examples of each program's application. One of the programs produces a printer plot of North America simulating a Lambert Azimuthal Equal-area projection on which recovery or banding locations are plotted. Modification of the procedure to permit plotting of recoveries on maps is discussed and illustrated.

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BIRDS--FAUNAS, COMMUNITIES, MANUALS

77-001380 Allavena, Stefano SU ALCUNE OSSERVAZIONI ORNITOLOGICHE NEL PADULE DI CASTIGLIONE DELLA PESCAIA. [ON SOME ORNITHOLOGICAL OBSERVATIONS ON THE CASTIGLIONE DELLA PESCAIA MARSH [SOUTHERN TUSCANY].] Riv. Ital. Ornitol. 46 (3): 152-157. Sept. 1976. In Italian. WR 165

77-001381 Andena, Luigi UCCELLI AVVISTATI ALL'ISOLA DI CAPRAIA NELL'APRILE 1976 (14-20). [BIRDS SIGHTED ON CAPRAIA ISLAND DURING 14-20 APRIL] [1976.] Riv. Ital. Ornitol. 46 (3): 143-151. Sept. 1976. In Italian. WR 165
Annotated list.

77-001382 Austin, George T.; Rea, Amadeo M. RECENT SOUTHERN NEVADA BIRD RECORDS. Condor 78 (3): 405-408. 1976. WR 165
[Univ. Nev., Las Vegas 89154]

77-001383 Benson, C. W.; Colebrook-Robjent, J. F. R.; Williams, A. CONTRIBUTION A L'ORNITHOLOGIE DE MADAGASCAR. [CONTRIBUTION TO THE ORNITHOLOGY OF MADAGASCAR.] Oiseau Rev. Fr. Ornithol. 46 (2): 103-134. 1976. In French. WR 165

77-001384 Benson, C. W.; Colebrook-Robjent, J. F. R.; Williams, A. CONTRIBUTION A L'ORNITHOLOGIE DE MADAGASCAR. [CONTRIBUTION TO THE ORNITHOLOGY OF MADAGASCAR.] Oiseau Rev. Fr. Ornithol. 46 (3): 209-242. 1976. In French. WR 165
Scolopacidae--Upupidae.

77-001385 Bologna, Gianfranco; Calchetti, Luigi; Petretti, Francesco OSSERVAZIONI ORNITOLOGICHE NELLA LAGUNA DI PONENTE DI ORBETELLO (GROSSETO). RAPPORTO ANNO 1975. [ORNITHOLOGICAL OBSERVATIONS ON THE LAGOON OF PONENTE OF ORBETELLO (GROSSETO). ANNUAL REPORT 1975.] Riv. Ital. Ornitol. 46 (1): 15-23. Mar. 1976. In Italian with English summ. WR 165
[Stazione Romana, Osservazione & Protezione Uccelli, Rome, Italy]
Data for 129 spp.

77-001386 Bologna, Gianfranco; Petretti, Francesco OSSERVAZIONI ORNITOLOGICHE NELLA LAGUNA DI PONENTE DI ORBETELLO (GROSSETO) RAPPORTO ANNO 1974. [ORNITHOLOGICAL OBSERVATIONS ON THE LAGOON ON PONENTE OF ORBETELLO (GROSSETO). ANNUAL REPORT 1974.] Riv. Ital. Ornitol. 45 (1): 42-50. Mar. 1975. In Italian. WR 165
[Stazione Romane Osservazione & Protezione Uccelli, Rome, Italy]

77-001387 Bologna, Gianfranco OSSERVAZIONI ORNITOLOGICHE NEL COMPRENSORIO TALFETANO CERITE (LAZIO). [ORNITHOLOGICAL OBSERVATIONS IN THE TOLFA MOUNTAINS REGION (LAZIO).] Suppl. Ric. Biol. Selvaggina 7 (1): 45-90. Sept. 1976. In Italian with English summ. WR 165
[Stazione Romana Osservazione & Protezione Uccelli, Rome, Italy]
Includes an annotated list of 164 species of birds.

77-001388 Borgo, Angelo OSSERVAZIONI ORNITOLOGICHE SULLA SPIAGGIA DI VARAZZE (SAVONA). [ORNITHOLOGICAL OBSERVATIONS OF THE VARAZZE SEASHORE (SAVONA).] Riv. Ital. Ornitol. 45 (4): 342-348. Dec. 1975. In Italian. WR 165
Annotated list.

77-001389 Brichetti, Pierandrea CONSIDERAZIONI SULL'AVIFAUNA NIDIFICANTE NEL "LAGO SUPERIORE DE MANTOVA" (LOMBARDIA). [CONSIDERATION UPON THE NESTING AVIFAUNA OF "LAGO SUPERIORE DI MANTOVA" (LOMBARDY).] Riv. Ital. Ornitol. 46 (2): 95-101. June 1976. In Italian. WR 165

77-001390 Brichetti, Pierandrea GLI UCCELLI DEL BRESCIANO (AGGIUNTE). [BIRDS OF BRESCIANO (ADDITIONS).] Riv. Ital. Ornitol. 46 (1): 33-39. Mar. 1976. In Italian. WR 165
Annotated list.

77-001391 Brichetti, Pierandrea GLI UCCELLI DEL BRESCIANO (AGGIUNTE). [THE BIRDS OF BRESCIANO PROVICNE [ITALY] (ADDITIONS).] Riv. Ital. Ornitol. 44 (4): 272-277. Dec. 1974. In Italian. WR 165
Annotated checklist.

77-001392 Brozek, Celestyn "AFRICAN" BIRDS IN POLAND. PART I. Bokmakierie 28 (4): 87-90. Dec. 1976. WR 165
Included is a list of 113 spp. found in Poland and southern Africa.

77-001393 Campredon, Pierre OBSERVATIONS ORNITHOLOGIQUES SUR LE BANC D'ARGUIN (GIRONDE). [ORNITHOLOGICAL OBSERVATIONS OF THE ARCACHON BASIN (GIRONDE).] Alauda 44 (4): 441-455. Dec. 1976. In French with German and English summ. WR 165
[Inst. Univ. Biol. Marine, 2 rue Pr-Jolyet, 33120 Arcachon, France]

77-001394 Cruz, Alexander AVIAN FEEDING ASSEMBLAGES IN PUERTO RICO. J. Colo.-Wyo. Acad. Sci. 7 (6): 37. May 1975. WR 165
[Univ. Colo., Boulder] Abstract only.

77-001395 Cruz, Alexander ECOLOGICAL ANALYSIS OF THE BREEDING BIRDS OF A PONDEROSA PINE FOREST. J. Colo.-Wyo. Acad. Sci. 7 (6): 37-38. May 1975. WR 165
[Univ. Colo., Boulder] Abstract only. Studies in Colorado.

77-001396 Di Carlo, E. A.; Heinze, J. NOTIZIE ORNITCLOGICHE DAL LAZIO E TOSCANA (CONTINUAZIONE). [ORNITHOLOGICAL REPORTS FOR LAZIO AND TOSCANA (CONTINUATION).] Riv. Ital. Ornitol. 46 (1): 40-50. Mar. 1976. In Italian. WR 165
[Stazione Ornitol. Sabina, Cantalupo Sabino, Italy]

77-001397 Di Carlo, E. A. NOTIZIE ORNITOLOGICHE DALL'ABRUZZO. [ORNITHOLOGICAL RECORDS FOR ABRUZZO.] Riv. Ital. Ornitol. 45 (4): 317-322. Dec. 1975. In Italian. WR 165
[Stazione Ornitol. Sabina, Cantalupo, Sabino, Italy] Annotated list.

77-001398 Di Carlo, E. A.; Heinze, J. NOTIZIE ORNITCLOGICHE DAL LAZIO E TOSCANA. [ORNITHOLOGICAL RECORDS FOR LAZIO AND TUSCANY.] Riv. Ital. Ornitol. 45 (4): 323-334. Dec. 1975. In Italian. WR 165
[Stazione Ornitol. Sabina, Cantalupo, Sabino, Italy] Annotated list.

77-001399 Di Carlo, E. A. NOTIZIE ORNITOLOGICHE DALL'ABRUZZO (CONTINUAZIONE). [ORNITHOLOGICAL REPORTS FOR ABRUZZO (CONTINUATION)] Riv. Ital. Ornitol. 46 (2): 81-94. June 1976. In Italian. WR 165
[Stazione Ornitol. Sabina, Cantalupo Sabino, Italy]

77-001400 Di Carlo, Elio Augusto L'OASI DI PROTEZIONE FAUNISTICA DETTA "LA MEANELLA" O "LAGO DI NAZZANO" SUL FIUME TEVERE, A NORD DI ROMA. [THE WILDLIFE REFUGE CALLED "LA MEANELLA" OR "LAGO DI NAZZANO" ON THE TIBER RIVER, NORTH OF ROME.] Suppl. Ric. Biol. Selvaggina 7 (1): 321-358. Sept. 1976. In Italian with French summ. WR 165
[Stazione Ornitol. Sabina, Catalupo Sabino (Rieti), Itlay] Annotated list of the avifauna.

77-001401 Diamond, Jared M.; Marshall, Adrian G. ORIGIN OF THE NEW HEBRIDEAN AVIFAUNA. Emu 76 (4): 187-200. Oct. 1976. WR 165
[Univ. Calif., Los Angeles 90024] Includes a systematic list of 56 spp.

77-001402 Gaugris, Y. ADDITIONS A L'INVENTAIRE DES OISEAUX DU BURUNDI (DECEMBRE 1971-DECEMBRE 1975). [ADDITIONS TO THE INVENTORY OF BURUNDI BIRDS (DECEMBER 1971-DECEMBER 1975).] Ciseau Rev. Fr. Ornithol. 46 (3): 273-289. 1976. In French with English summ. WR 165
[B.P. 1946, Bujumbura, Burundi] Summary: Refering to previous work by Schouteden, the author gives records of 94 species not previously mentioned in Burundi.

77-001403 Gavareski, Carol A. RELATION OF PARK SIZE AND VEGETATION TO URBAN BIRD POPULATIONS IN SEATTLE, WASHINGTON. Condor 78 (3): 375-382. 1976. WR 165
[Whitworth Coll., Spokane, Wash. 99251]

77-001404 Gertler, Paul; Ryder, Ronald A. BIRD USE AND HABITAT CONDITIONS ALONG THE CACHE LA POUDRE RIVER NEAR FORT COLLINS. J. Colo.-Wyo. Acad. Sci. 7 (6): 40. May 1975. WR 165
[Colo. State Univ., Fort Collins 80523] Abstract only.

77-001405 Gorlier, Gianguido NOTE ORNITOLOGICHE RELATIVE ALL'ISOLA DI RODI [EGEO] 1972. [ORNITHOLOGICAL NOTES RELATIVE TO RODI ISLAND (EGEO) 1972.] Riv. Ital. Ornitol. 44 (1): 65-69. Mar. 1974. In Italian. WR 165
Annotated list.

77-001406 Gorlier, Gianguido OSSERVAZIONI ORNITOLOGICHE DEL LITORALE E DELLA ZONA DI MARE COMPRESA TRA VADO LIGURE (SV) I FINALE LIGURE (SV). [ORNITHOLOGICAL OBSERVATIONS OF THE COASTAL ZONE FROM VADO LIGURE TO FINALE LIGURE (LIGURIA, ITALY).] Riv. Ital. Ornitol. 45 (1): 61-67. Mar. 1975. In Italian. WR 165

77-001407 Grayson, Donald K. A NOTE ON THE PREHISTORIC AVIFAUNA OF THE LOWER KLAMATH BASIN. Auk 93 (4): 830-833. Oct. 1976. WR 165
[Univ. Wash., Seattle 98195]

77-001408 Heusmann, H. W. THE CITY BIRDS. Mass. Wildl. 26 (4): 13-19. Nov.-Dec. 1975. WR 165
[Mass. Div. Fisheries & Wildl., Westboro 01581] Popular account of urban birds in Massachusetts.

77-001409 Hilty, Steven L. /CHLOROSPINGUS FLAVOVIRENS/ REDISCOVERED, WITH NOTES ON OTHER PACIFIC COLOMBIAN AND CAUCA VALLEY BIRDS. Auk 94 (1): 44-49. Jan. 1977. WR 165
[Univ. Ariz., Tucson 85721] Abstract: A specimen of the Yellow-green Bush Tanager collected in 1972 was the first Colombian and third known specimen since the previous two taken in Ecuador in 1935, and the species has not been reported since. Presents notes and new records of 36 other species from this region of high endemism on the western slopes of the western Andes.

77-001410 Iso-Iivari, Lasse; Bengtson, Sven-Axel; Haftorn, Svein; Svensson, Lars; Hilden, Olavi; Dybbro, Tommy CHECK-LIST OF THE BIRDS OF NORTHERN EUROPE. Ornis Fenn. 53 (2): 57-69. 1976. In English. WR 165
[Univ. Turku, SF-20500 Turku 50, Finland] Abstract: The list comprises all the bird subspecies recorded in northern Europe. It is based on published observations and on personal communications from ornithologists in the countries in question. The list also indicates, roughly, the nature of the occurrence in the various countries.

77-001411 Leporati, Lamberto; Tesei, Luciano; Tesei, Sergio ALCUNE OSSERVAZIONI NATURALISTICHE SULLA ZONA UMIDA DI "BOSCOFORTE" (VALLI MERIDIONALI DI COMACCHIO). [SOME NATURALISTIC OBSERVATIONS ON THE HUMID ZONE OF "BOSCOFORTE" (COMACCHIO SOUTHERN VALLEYS).] Suppl. Ric. Biol. Selvaggina 7 (1): 413-425. Sept. 1976. In Italian with English summ. WR 165
[Lab. Zool. Appl. Caccia, Bologna, Italy] Observations of the avifauna.

77-001412 Lucid, Vincent J. SONGBIRDS OF SUBURBIA. Va. Wildl. 37 (11): 7-9, 24. Nov. 1976. WR 165
[Va. Polytech. Inst. & State Univ., Blacksburg 24061] Management of urban birds.

77-001413 Marian, Miklos A PUSZTASZERI TERMESZETVEDELMI TERULET MADARVILAGA. [THE AVIFAUNA OF PUSZTASZER NATURE RESERVE.] Aquila 82: 81-98. 1976. In Hungarian with German summ. WR 165
[Kelemen 4, 6720 Szeged, Hungary]

77-001414 Massa, Bruno CONSIDERAZIONI SULLA SITUAZIONE DELL'AVIFAUNA SICILIANA PROBLEMI DI CONSERVAZIONE. [CONSIDERATIONS UPON THE SICILIAN AVIFAUNAL SITUATION--PROBLEMS OF CONSERVATION.] Suppl. Ric. Biol. Selvaggina 7 (1): 427-474. Sept. 1976. In Italian with English summ. WR 165
[Univ. Palermo, Palermo, Italy] Includes an annotated list of the avifauna.

77-001415 Mattocks, Philip W., Jr.; Hunn, Eugene S.; Wahl, Terence R. A CHECKLIST OF THE BIRDS OF WASHINGTON STATE, WITH RECENT CHANGES ANNOTATED. Western Birds 7 (1): 1-24. 1976. WR 165
[Univ. Wash., Seattle 98195] Annotated list of 377 spp.

77-001416 Milewaski, A. V.; Campbell, B. BIRD DIVERSITY IN RELATION TO VEGETATION TYPES IN THE MOREMI WILDLIFE RESERVE. Trans. Roy. Soc. S. Afr. 42 (2): 173-184. Aug. 1976. In English with Afrikaans summ. WR 165
[Percy FitzPatrick Inst., Rondebosch, South Africa]

77-001417 Moltoni, Edgardo L'AVIFAUNA DELL'ISOLA DI CAPRAIA (ARCIPELAGO TOSCANO) CON APPENDICI SU GLI UCCELLI NOTI PER LA GORGONA, ELENCO DEGLI UCCELLI INANELLATI PRESI NELL'ARCIPELAGO TOSCANO ED IN CORSICA. [THE AVIFAUNA OF CAPRAIA ISLAND (TUSCAN ARCHIPELAGO) WITH APPENDICES OF THE BIRDS RECORDED FOR GORGONA, AND AN INVENTORY OF THE BANDED BIRDS CAPTURED ON THE TUSCAN ARCHIPELAGO AND IN CORSICA.] Riv. Ital. Ornitol. 45 (2): 97-217. June 1975. In Italian. WR 165
[Mus. Civico Storia Nat., Milan, Italy] Data for 163 spp.

77-001418 Orenstein, Ronald I. BIRDS OF THE PLESYUMI AREA, CENTRAL NEW BRITAIN. Condor 78 (3): 370-374. 1976. WR 165
[Univ. Mich., Ann Arbor 48109] Annotated list of species.

77-001419 Parsons, A. J. BIRDS OF A SOMERSET WOOD. Bird Study 23 (4): 287-293. Dec. 1976. WR 165
[Barnfield, Tower Hill Rd., Crewkerne, Somerset, England]

77-001420 Petretti, Francesco STUDIO ORNITOLOGICO SUL TERRITORIO DI MACCARESE. [ORNITHOLOGICAL STUDY IN THE TERRITORY OF MACCARESE.] Suppl. Bic. Biol. Selvaggina 7 (1): 535-577. Sept. 1976. In Italian with French summ. WR 165
[Stazione Romana Osservazione & Protezione Uccelli, Rome, Italy]
Data for 190 spp.

77-001421 Power, Dennis M. AVIFAUNA RICHNESS ON THE CALIFORNIA CHANNEL ISLANDS. Condor 78 (3): 394-398. 1976. WR 165
[Santa Barbara Mus. Nat. Hist., 2559 Puesta Del Sol Rd., Santa Barbara, Calif. 93105]

77-001422 Probst, John R. AVIAN COMMUNITY STRUCTURE IN CENTRAL PENNSYLVANIA. Ph. D. dissertation, Princeton Univ. 85p. 1976. From Diss. Abstr. Int. B Sci. Eng. 37(8), 1977. WR 165

77-001423 Rappole, John H.; Warner, Dwain W.; Ramos O., Mario TERRITORIALITY AND POPULATION STRUCTURE IN A SMALL PASSERINE COMMUNITY. Am. Midl. Nat. 97 (1): 110-119. Jan. 1977. WR 165
[Univ. Minn., Minneapolis 55455]

77-001424 Realini, Gianfranco ELENCO AGGIORNATO DEGLI UCCELLI ACCERTATI NELLA PROVINCIA DE PAVIA CON NOTIZIE RIGUARDANTI ANCHE LO LORO ATTUALE FREQUENZA. [CURRENT INVENTORY OF BIRDS IN THE PROVINCE OF PAVIA WITH NOTES REGARDING THEIR PRESENT FREQUENCY.] Riv. Ital. Ornitol. 44 (1): 1-42. Mar. 1974. In Italian. WR 165
Annotated list of 298 spp.

77-001425 Risberg, Lennart; Aspenberg, Per; Ericson, Lars HACKFAGELFAUNAN LANGS GASTRIKEKUSTEN-- FORANDRINGAR UNDER DE SENASTE ARTIONDENA. [ON THE BIRD FAUNA OFF THE COAST OF GASTRIKLAND, GULF OF BOTHNIA, WITH SPECIAL REFERENCE TO CHANGES DURING RECENT DECADES.] Var Fagelvarld 35 (3): 195-212. 1976. In Swedish with English summ. WR 165
[Hagmarksgatan 44, S-813 00 Hofors, Sweden]

77-001426 Rising, James D. THE STATUS AND FAUNAL AFFINITIES OF THE SUMMER BIRDS OF WESTERN KANSAS. Univ. Kans. Sci. Bull. 50 (8): 347-388. 28 June 1974. WR 165
[Univ. Toronto, Toronto, Ontario, Canada]

77-001427 Santone, Pasquale ELENCO DI UCCELLI RARE PRESI O VISTI IN ABRUZZO E MOLISE. [LIST OF RARE BIRDS TAKEN OR SEEN IN ABRUZZO AND MOLISE.] Riv. Ital. Ornitol. 44 (1): 53-60. Mar. 1974. In Italian. WR 165

77-001428 Selmi, Enrico OSSERVAZIONI ORNITOLOGICHE SUL FIUME PANARO IN LOCALITA SALICETO P., MODENA (MARZO-GIUGNO 1975). [ORNITHOLOGICAL OBSERVATIONS OF THE PANARO RIVER IN SALICETO P., MODENA (MARCH-JUNE 1975).] Riv. Ital. Ornitol. 45 (3): 269-274. Sept. 1975. In Italian. WR 165
Data for 47 spp.

77-001429 Silvano, Fabrizio ELENCO DEGLI UCCELLI DELLA VALLE SCRIVIA (ALESSANDRIA). [LIST OF THE BIRDS OF THE SCRIVIA VALLEY (ALESSANDRIA).] Riv. Ital. Ornitol. 44 (3): 165-192. Sept. 1974. In Italian with English summ. WR 165
Annotated list of about 150 spp.

77-001430 Stirrett, George M. THE AUTUMN BIRDS OF POINT PELEE NATIONAL PARK. Indian & Northern Affairs, Parks Canada 36p. 1973. Available at $.50 from Information Canada, Ottawa, Ontario, Canada. WR 165
[Box 1138 Grand Falls, New Brunswick, Canada E0J 1M0] Includes an annotated list of 272 spp. of birds reported for 16 August - 15 November.

77-001431 Stirrett, George M. THE SPRING BIRDS OF POINT PELEE NATIONAL PARK ONTARIO. Indian & Northern Affairs, Parks Canada 32p. 1973. Available at $.50 from Information Canada, Ottawa, Ontario, Canada. WR 165
[Box 1138, Grand Falls, New Brunswick, Canada E0J 1M0] Included is an annotated list of 303 spp. reported for the period 1 March - 10 June.

77-001432 Stirrett, George M. THE SUMMER BIRDS OF POINT PELEE NATIONAL PARK. Indian & Northern Affairs, Parks Canada 28p. 1973. Available at $.50 from Information Canada, Ottawa, Ontario, Canada. WR 165
[Box 1138, Grand Falls, New Brunswick, Canada E0J 1M0] Includes an annotated list of 195 spp. reported for the period 11 June - 15 August.

77-001433 Stirrett, George M. THE WINTER BIRDS OF POINT PELEE NATIONAL PARK. Indian & Northern Affairs, Parks Canada 28p. 1973. Available at $.50 from Information Canada, Ottawa, Ontario, Canada. WR 165
[Box 1138 grand Falls, New Brunswick, Canada E0J 1M0] Includes an annotated list of 163 spp. reported for the period 16 November - 29 February.

77-001434 Tedeschi, Guido Mario NOTE SUGLI UCCELLI DEL MODENESE. [NOTES ON THE BIRDS OF MODENESE.] Riv. Ital. Ornitol. 44 (2): 127-137. June 1974. In Italian. WR 165
Annotated list.

77-001435 Thiollay, Jean-Marc; Duhautois, Laurent NOTES SUR LES OISEAUX DU NORD YEMEN. [NOTES ON THE BIRDS OF NORTH YEMEN.] Oiseau Rev. Fr. Ornithol. 46 (3): 261-271. 1976. In French with English summ. WR 165
[Lab. Zool., 46 rue d'Ulm, 75005 Paris, France]

77-001436 Viers, C. E. MIXED PINE--DECIDUOUS FOREST WINTER BIRD POPULATION. Proc. La. Acad. Sci. 38: 129. 1975. WR 165
Abstract only.

77-001437 Voorhees, L.; Baumann, G.; Carlisle, M.; Cassel, F.; Crooke, R.; Gulke, J.; Jacobson, D. BREEDING BIRD COMMUNITIES IN DUNN COUNTY, NORTH DAKOTA--1975. Proc. N. Dak. Acad. Sci. 30 (1): 49. Apr. 1976. WR 165
[N. Dak. State Univ., Fargo 58102] Abstract only.

77-001438 Vuilleumier, Francois; Gochfeld, Michael NOTES SUR L'AVIFAUNE DE NOUVELLE-CALEDONIE. [NOTES ON THE AVIFAUNA OF NEW CALEDONIA.] Alauda 44 (3): 237-273. Sept. 1976. In French with German and English summ. WR 165
[Am. Mus. Nat. Hist., New York, N.Y. 10024] Data for 52 spp.

77-001439 Willson, Mary F.; Moriarty, David J. BIRD SPECIES DIVERSITY IN FOREST UNDERSTORY: ANALYSIS OF MIST-NET SAMPLES. Oecologia (Berl.) 25 (4): 373-379. 1976. WR 165
[Univ. Ill., Champaign 61820] Mist-netted samples of forest understory birds in neotropical (Costa Rica) and temperate (Illinois) forests (during spring migration) supported certain earlier observations: the neotropical understory sample contained more species, more rare species, and more species that use resources not sufficiently available in temperate forest.--From summ.

77-001440 Willson, Mary F. THE BREEDING DISTRIBUTION OF NORTH AMERICAN MIGRANT BIRDS: A CRITIQUE OF MACARTHUR (1959). Wilson Bull. 88 (4): 582-587. Dec. 1976. WR 165
[Univ Ill., Champaign 61820]

77-001441 Wilt, Richard A. UNUSUAL BIRDS IN THE VICINITY OF PIPE SPRING, ARIZONA. Western Birds 7 (1): 28-30. 1976. WR 165
[Natl. Park Serv., Interior, S. Dak. 57750]

77-001442 Winternitz, Barbara L. TEMPORAL CHANGE AND HABITAT PREFERENCE OF SOME MONTANE BREEDING BIRDS. Condor 78 (3): 383-393. 1976. WR 165
[Colo. Coll., Colorado Springs 80903]

77-001443 Wright, Philip L. FURTHER BIRD RECORDS FROM WESTERN MONTANA. Condor 78 (3): 418-420. 1976. WR 165
[Univ. Mont., Missoula 59801]

77-001444 Zipko, Stephen J. ADAPTATIONS OF CERTAIN BIRDS TO DESERT CONDITIONS. Bios 46 (4): 189-202. Dec. 1975. WR 165
[Randolph Intermediate School, Randolph, N.J. 07801] /Phalaenoptilus nuttallii/, /Columba livia/, /Geococcyx californianus/, /Lophortyx gambelii/, /L. californicus/, /Zenaidura macroura/, /Salpinctes obsoletus/, /Amphispiza bilineata/, /Passerculus sandwichensis/ and /Melopsittacus undulatus/.

BIRDS--MORPHOLOGY & PHYSIOLOGY

77-001445 Blem, Charles R. PATTERNS OF LIPID STORAGE AND UTILIZATION IN BIRDS. Am. Zool. 16 (4): 671-684. 1976. WR 165
[Va. Commonwealth Univ., Richmond 23284] Review paper.

77-001446 Holmes, Richard T. BODY COMPOSITION, LIPID RESERVES AND CALORIC DENSITIES OF SUMMER BIRDS IN A NORTHERN DECIDUOUS FOREST. Am. Midl. Nat. 96 (2): 281-290. Oct. 1976. WR 165
[Dartmouth Coll., Hanover, N.H. 03755] Specimens of 16 passerine bird species collected in midsummer in the Hubbard Brook forest ecosystems in central New Hampshire were analyzed for major chemical constituents (water, lipid, lean dry matter, ash) and for caloric value.--From abstr.

77-001447 Kennedy, G. Y.; Vevers, H. G. A SURVEY OF AVIAN EGGSHELL PIGMENTS. Comp. Biochem. Physiol. B Comp. Biochem. 55 (1): 117-123. 1976. WR 165
[Univ Sheffield, Sheffield, England] Eggshells from 108 species were examined for appearance and pigment content.--From abstr.

77-001448 Kilgore, Delbert L., Jr.; Bernstein, Marvin H.; Hudson, Dennis M. BRAIN TEMPERATURES IN BIRDS. J. Comp. Physiol. B Metab. Transp. Funct. 110 (2): 209-215. 1976. WR 165
[Univ. Mont., Missoula 59801] /Chordeiles acutipennis/, /Anas platyrhynchos/, /Columba livia/, /Corvus cryptoleucus/ and /Geococcyx californianus/.

77-001449 Krampitz, G.; Koster, U.; Fischer, W. VERGLEICHENDE UNTERSUCHUNGEN DER AMINOSAEUREN-KOMPOSITION VON VOGELEISCHALEN. BIOCHEMISCHE UND TAXONOMISCHE BEZIEHUNGEN ZWISCHEN HUEHNER-, KRANICH- UND GAENSEVOEGELN. [COMPARATIVE STUDIES OF THE AMINO ACID COMPOSITION OF AVIAN EGG SHELLS.--BIOCHEMICAL AND TAXONOMIC RELATIONS BETWEEN GALLIFORMES, GRUIFORMES AND ANSERIFORMES.] Z. Zool. Syst. Evolutionsforsch. 13 (2): 125-137. June 1975. In German with French and English summ. WR 165
[Univ. Bonn, Bonn, West Germany]

77-001450 Maclean, G. L.; Vernon, C. J. MOUTHSPOTS OF PASSERINE NESTLINGS. Ostrich 47 (283): 95-98. Sept. 1976. In English with German summ. WR 165
[Univ. Natal, Pietermaritzburg, South Africa 3200] Among passerine families a pattern of black spots in a yellow mouth occurs universally only in the Sylviidae and the Alaudidae.--From summ.

77-001451 MacMillen, Richard E.; Carpenter, F. Lynn DAILY ENERGY COSTS AND BODY WEIGHT IN NECTARIVOROUS BIRDS. Comp. Biochem. Physiol. A Comp. Physiol. 56 (3): 439-441. 1977. WR 165
[Univ. Calif., Irvine 92717] Abstract: Nectar-feeding birds (New World hummingbirds, African sunbirds, Hawaiian honneycreepers) defending feeding territories have 24 hr energy costs (Kcal/day) described by the regression equation E = 4.56 W to the .421. Their daily energy expenditures conform to size-related constraints, which must be regulated by appropriate balances between behavioral and physiological capacities for energy conservation.

77-001452 Ricklefs, Robert E.; Weremiuk, Sharon DYNAMICS OF MUSCLE GROWTH IN THE STARLING AND JAPANESE QUAIL: A PRELIMINARY STUDY. Comp. Biochem. Physiol. A Comp. Physiol. 56 (3): 419-423. 1977. WR 165
[Univ. Pa., Philadelphia 19174] /Sturnus vulgaris/ and /Coturnix coturnix japonica/.

77-001453 Smith, Douglas G. THE ROLE OF THE STERNOTRACHEALIS MUSCLES IN BIRD SONG PRODUCTION. Auk 94 (1): 152-155. Jan. 1977. WR 165
[State Univ. N.Y., Stony Brook, 11794]

BIRDS--BEHAVIOR

77-001454 Alvarez, Fernando; Arias de Reyna, Luis; Segura, Myriam EXPERIMENTAL BROOD PARASITISM OF THE MAGPIE (/PICA PICA/). Anim. Behav. 24 (4): 907-916. Nov. 1976. WR 165
[Estacion Biol. Donana, CSIC, Paraguay 1-2, Sevelle-12, Spain] Abstract: Egg and chick features were tested on natural magpie (/Pica pica/) nests. The stimuli best accepted were those of greater size and weight of a white background and black specks. Stimuli with a shape different from oval and of low weight were the most readily expelled. Relative quantity of eggs in the nests had no strong influence on the expelling response. Chicks of house sparrows, spotless starlings, jackdaws and swallows were readily accepted and reared by the magpies. Amongst some chicks of other species introduced, a 'parasitic' form of behaviour appeared which led them to eliminate competitors in the nests.

77-001455 Brackbill, Hervey MOURNING DOVE, COMMON GRACKLE CLEANING BILLS. Wilson Bull. 88 (4): 671. Dec. 1976. WR 165
[2620 Poplar Dr., Baltimore, Md. 21207] /Zenaida macroura/ and /Quiscalus quiscula/.

77-001456 Brosset, A.; Erard, C. PREMIERE DESCRIPTION DE LA NIDIFICATION DE QUATRE ESPECES EN FORET GABONAISE. [DATA ON THE REPRODUCTION OF SOME LITTLE KNOWN AFRICAN RAIN FOREST SPECIES (GABON)] Alauda 44 (3): 205-235. Sept. 1976. In French with German and English summ. WR 165
[Lab. Ecol. Gen., Mus. Natl. Hist. Nat., 4 ave. Petit-Chateau, 91800 Brunoy, France] /Lampribis rara/, /Geokichla princei/, /Alethe poliocephala/ and /Nicator vireo/.

77-001457 Chappuis, C. ORIGINE ET EVOLUTION DES VOCALISATIONS DE CERTAINS OISEAUX DE CORSE ET DES BALEARES. [ORIGINS AND EVOLUTION OF THE VOCALIZATIONS OF CERTAIN BIRDS OF CORSICA AND THE BALEARIC ISLANDS.] Alauda 44 (4): 475-495. Dec. 1976. In French with German and English summ. WR 165
[24 rue de Carville, 76000 Rouen, France] Data for approximately 20 spp.

77-001458 Ducker, Gerti ERLERNEN VON DREI VERSCHIEDENEN POSITIONEN DURCH VOEGEL. [LEARNING OF THREE DIFFERENT POSITIONS IN BIRDS.] Z. Tierpsychol. 42 (3): 301-314. Nov. 1976. In German with English summ. WR 165
[Univ. Munster, D-4400 Munster, West Germany] /Corvus monedula/, /Acridotheres tristis/ and /Melopsittacus undulatus/.

77-001459 Elliott, Phillip Franklin THE ROLE OF COMMUNITY FACTORS IN COWBIRD-HOST INTERACTIONS. Ph. D. dissertation, Kans. State Univ. 67p. 1976. From Diss. Abstr. Int. B Sci. Eng. 37(7), 1977. WR 165
/Molothrus ater/, /Ammodramus savannarum/, /Spiza americana/ and /Sturnella magna/.

77-001460 Erskine, Anthony J.; McLaren, William D. COMPARATIVE NESTING BIOLOGY OF SOME HOLE-NESTING BIRDS IN THE CARIBOO PARKLANDS, BRITISH COLUMBIA. Wilson Bull. 88 (4): 611-620. Dec. 1976. WR 165
[Canadian Wildl. Serv., Ottawa, Ontario K1A 0H3, Canada]

77-001461 Gamboa, George J. PREDATION ON RUFOUS HUMMINGBIRD BY WIED'S CRESTED FLYCATCHER. Auk 94 (1): 147-158. Jan. 1977. WR 165
[Univ. Kans., Lawrence 66045] /Selasphorus rufus/ and /Myiarchus tyrannulus/ in Arizona.

77-001462 Goebel, Carl J.; Berry, Gregg SELECTIVITY OF RANGE GRASS SEEDS BY LOCAL BIRDS. J. Range Manage. 29 (5): 393-395. Sept. 1976. WR 165
[Wash. State Univ., Pullman]

77-001463 Lourenco, W.-R.; Dekeyser, P.-L. DEUX OISEAUX PREDATEURS DE SCORPIONS. [TWO AVIAN PREDATORS OF SCORPIONS.] Oiseau Rev. Fr. Ornithol. 46 (2): 167-172. 1976. In French with English summ. WR 165
[Univ. Brasilia, 70.000 Brasilia D.F., Brazil] /Nystalus chacuru/ and /Speotyto cunicularia grallaria/ in Brazil.

77-001464 Marshall, Joe T., Jr. AUDIOSPECTROGRAMS WITH PITCH SCALE: A UNIVERSAL "LANGUAGE" FOR REPRESENTING BIRD SONGS GRAPHICALLY. Auk 94 (1): 150-152. Jan. 1977. WR 165
[Natl. Mus. Nat. Hist., Washington D.C. 20560]

77-001465 Moss, Stephen STARLING IMITATING CETTI'S WARBLER. Br. Birds 70 (1): 36. Jan. 1977. WR 165
[10 Milton Dr., Shepperton, Surrey TW17 0JJ, England] /Sturnus vulgaris/ and /Cettia cetti/.

77-001466 Rothstein, Stephen I. EXPERIMENTS ON DEFENSES CEDAR WAXWINGS USE AGAINST COWBIRD PARASITISM. Auk 93 (4): 675-691. Oct. 1976. WR 165
[Univ. Calif., Santa Barbara 93106] /Bombycilla cedrorum/ and /Molothrus ater/.

77-001467 Scott, D. M. COWBIRD PARASITISM ON THE GRAY CATBIRD AT LONDON, ONTARIO. Auk 94 (1): 18-27. Jan. 1977. WR 165
[Univ. Western Ontario, London, Ontario, Canada N6A 5B7] /Molothrus ater/ and /Dumetella carolinensis/.

77-001468 Sullivan, Gloria A. SONG OF THE FINCH /LOGONOSTICTA SENEGALA/: INTERSPECIFIC MIMICRY BY ITS BROOD-PARASITE /VIDUA CHALYBEATA/ AND THE ROLE OF SONG IN THE HOST'S SOCIAL CONTEXT. Anim. Behav. 24 (4): 880-888. Nov. 1976. WR 165
[Univ. Calif., Berkeley 94720]

77-001469 von Haartman, Lars THE REACTION OF A REGULAR CUCKOO HOST TO FOREIGN EGGS. Ornis Fenn. 53 (3): 96-98. 1976. In English with Finnish summ. WR 165
/Cuculus canorus/.

77-001470 Wittenberger, James F. THE ECOLOGICAL FACTORS SELECTING FOR POLYGYNY IN ALTRICIAL BIRDS. Am. Nat. 110 (975): 779-799. Sept.-Oct. 1976. WR 165
[Univ. Calif., Davis 95616] Review paper.

BIRDS--POPULATION DYNAMICS

77-001471 Barbieri, Francesco; Fasola, Mauro; Pazzuconi, Aldo CENSIMENTO DELLA POPOLAZIONE DI UCCELLI NIDIFICANTI IN UN BOSCO RIPARIALE DEL TICINO. [THE CENSUS OF NESTING BIRD POPULATIONS IN THE RIPARIAN FOREST OF TICINO.] Riv. Ital. Ornitol. 45 (1): 28-41. Mar. 1975. In Italian with English summ. WR 165
[Univ. Pavia, Pavia, Italy]

77-001472 Nicklefs, Robert E.; Bloom, George COMPONENTS OF AVIAN BREEDING PRODUCTIVITY. Auk 94 (1): 86-96. Jan. 1977. WR 165
[Univ. Pa., Philadelphia 19174] Numbers of nestlings fledged per pair per season were calculated for 35 species of passerine birds in four localities from data on length of breeding season, clutch size, nesting mortality, and length of nest cycle.--From abstr.

77-001473 Spano, Silvio IL CONTRIBUTO ALLA CONOSCENZA DEI RITMI DE OCCUPAZIONE ORNITICA DELL'AEROPORTO DI GENOVA. [A CONTRIBUTION TO THE KNOWLEDGE OF THE CYCLE OF BIRD OCCUPATION IN THE GENOA AIRPORT.] Riv. Ital. Ornitol. 44 (2): 81-114. June 1974. In Italian. WR 165
[Univ. Genoa, Genoa, Italy] Annual cycle of bird populations.

77-001474 Voisin, Claire; Voisin, J.-F. OBSERVATIONS SUR L'ABONDANCE DE QUELQUES ESPECES D'OISEAUX EN BASSE CAMARGUE. II: EVOLUTION PENDANT LES ANNEES 1974 ET 1975. [OBSERVATIONS UPON THE ABUNDANCE OF SEVERAL BIRD SPECIES OF THE LOWER CAMARGUE. II: DEVELOPMENTS DURING 1974-1975.] Oiseau Rev. Fr. Ornithol. 46 (2): 157-165. 1976. In French with English summ. WR 165
[Mus. Nat. Hist. Nat., 55 rue de Buffon, 75005 Paris, France]

BIRDS--MIGRATION & BANDING REPORTS

77-001475 Beaugrand, Jacques P. AN ATTEMPT TO CONFIRM MAGNETIC SENSITIVITY IN THE PIGEON, /COLUMBA LIVIA/. J. Comp. Physiol. A Sens. Neural Behav. Physiol. 110 (3): 343-355. 1976. WR 165
[Cent. Psychol. Exp. Comp., Univ. Louvain, Pellenberg, Belgium]

77-001476 Perns, Peter N. FEEDING BEHAVIOUR OF AUTUMN PASSAGE MIGRANTS IN NORTH EAST PORTUGAL. Ringing & Migration 1 (1): 3-119 Dec. 1975. WR 165
[Univ. Coll., Cathays Park, Cardiff, Wales]

77-001477 Frugis, Sergio LO STUDIO DELLE MIGRAZIONI IN ITALIA: UNA COSA SERIA? [THE STUDY OF MIGRATION IN ITALY--A SERIOUS MATTER?] Riv. Ital. Ornitol. 45 (3): 279-287. Sept. 1975. In Italian. WR 165
[Univ. Parma, Parma, Italy]

77-001478 Larkin, Timothy S.; Keeton, William T. BAR MAGNETS MASK THE EFFECT OF NORMAL MAGNETIC DISTURBANCES ON PIGEON ORIENTATION. J. Comp. Physiol. A Sens. Neural Behav. Physiol. 110 (3): 227-231. 1976. WR 165
[Cornell Univ., Ithaca, N.Y. 14853] /Columba livia/.

77-001479 Massa, Bruno; Baglieri, Salvatore; Cangialosi, Giovanni CONTRIBUTO ALLO STUDIO DELLE MIGRAZIONI IN SICILIA: APPUNTI SULLE SPECIE ORIENTALI E NORD-AFRICANE. [CONTRIBUTION TO THE STUDY OF MIGRATION IN SICILY: NOTES ON EASTERN AND NORTH AFRICAN SPECIES.] Riv. Ital. Ornitol. 46 (1): 1-14. Mar. 1976. In Italian. WR 165
[Univ. Palermo, Palermo, Italy]

77-001480 Merat, M.; Gallo, A. L'ORIENTATION ASTRONOMIQUE DES ANIMAUX: PREMIERS ELEMENTS D'UNE NOUVELLE THEORIE. [ASTRONOMICAL ORIENTATION OF ANIMALS: FIRST ELEMENTS OF A NEW THEORY.] Alauda 44 (4): 357-386. Dec. 1976. In French with German and English summ. WR 165
[Univ. Paul-Sabatier, 31077 Toulouse Cedex, France]

77-001481 Moltoni, Edgardo UCCELLI INANELLATI PRESI ALLE ISOLE PELAGIE, PANTELLERIA, EGADI ED IN LIBIA. [BANDED BIRDS RECOVERED FROM THE PELAGIE, PANTELLERIA AND EGADI ISLANDS AND IN LIBYA.] Suppl. Ric. Biol. Selvaggina 7 (1): 491-511. Sept. 1976. In Italian with English summ. WR 165
[Mus. Civ. Storia Nat., Milan, Italy] Summariazation of banding data.

77-001482 Vernon, C. J. EIGHTEENTH RINGING REPORT FOR SOUTHERN AFRICA. Ostrich 47 (283): 89-94. Sept. 1976. WR 165
[Univ. Cape Town, Rondebosch, South Africa 7700] Data for 47,777 birds of 475 spp. for the period July 1974-June 1975.

BIRDS--MORTALITY & SURVIVAL

77-001483 Avery, Michael L.; Springer, Paul F.; Cassel, J. Frank PROGRESS REPORT ON BIRD LOSSES AT THE OMEGA TOWER, SOUTHEASTERN NORTH DAKOTA. Proc. N. Dak. Acad. Sci. 27 (2): 40-49. Oct. 1975. WR 165
[M.A.R.D.I., c/o Peace Corps Office, Jalan Broadrick, Kuala Lumpur, Malaysia]

77-001484 Ball, R. E. BIRD MORTALITY AT TOWERS IN MARYVILLE, MISSOURI--FALL, 1972. Trans. Mo. Acad. Sci. 7-8: 294. 1973-1974. WR 165
[Northwest Mo. State Univ., Maryville] Abstract only.

77-001485 Gatto, Agostino VITTIME DELL'INDUSTRIALIZZAZIONE. [VICTIMS OF INDUSTRIALIZATION.] Riv. Ital. Ornitol. 45 (4): 374-376. Dec. 1975. In Italian. WR 165
Tabulation of roadside mortalities of birds.

77-001486 Lingle, Gary R. UNUSUAL MORTALITY IN CALIFORNIA GULLS. Prairie Nat. 8 (182): 20. Mar.-June 1976. WR 165
[Mich. Techol. Univ., Houghton 49931] /Larus californicus/ unable to disgorge /Spermophilus richardsonii/.

BIRDS--PESTICIDES & POLLUTION

77-001487 Babcock, Kenneth M.; Flickinger, Edward L. DIELDRIN MORTALITY OF LESSER SNOW GEESE IN MISSOURI. J. Wildl. Manage. 41 (1): 100-103. Jan. 1977. WR 165
[Mo. Dep. Conserv., Columbia 65201] Abstract: In March and April 1974, 157 lesser snow geese (/Chen caerulescens/) died from dieldrin poisoning during northward migration through western Missouri. Evidence strongly suggested that the mortality in Missouri resulted from delayed effects upon geese exposed to aldrin-treated rice seed on wintering areas in southeast Texas.

77-001488 Bourne, W. R. P.; Bogan, J. A.; Johnson, Bruce WHITETHROATS, ORGANOCHLORINES AND ARBOVIRUSES. Bird Study 23 (4): 279-280. Dec. 1976. WR 165
[Aberdeen Univ., Aberdeen, Scotland] /Sylvia communis/.

77-001489 Braun, Clait E.; Adrian, William J.; Keiss, Robert E. MERCURY RESIDUES IN COLORADO BAND-TAILED PIGEONS. J. Wildl. Manage. 41 (1): 131-134. Jan. 1977. WR 165
[Colo. Div. Wildl., Fort Collins 80522] /Columba fasciata/.

77-001490 Busbee, Everette L. THE EFFECTS OF DIELDRIN ON THE BEHAVIOR OF YOUNG LOGGERHEAD SHRIKES. Auk 94 (1): 28-35. Jan. 1977. WR 165
[Cornell Univ., Ithaca, N.Y. 14853] /Lanius ludovicianus/.

77-001491 Clemens, E. T.; Krook, L.; Aronson, A. L.; Stevens, C. E. PATHOGENESIS OF LEAD SHOT POISONING IN THE MALLARD DUCK. Cornell Vet. 65 (2): 248-285. Apr. 1975. WR 165
[Cornell Univ., Ithaca, N.Y. 14850] /Anas platyrhynchos/.

77-001492 Crocker, Ann D.; Cronshaw, J.; Holmes, W. N. THE EFFECT OF A CRUDE OIL ON INTESTINAL ABSORPTION IN DUCKLINGS (/ANAS PLATYRHYNCHOS/). Environ. Pollut. 7 (3): 165-177. Nov. 1974. WR 165
[Univ. Calif., Santa Barbara 93106]

77-001493 David, Danielle ANOMALIES STRUCTURALES ET DEGENERESCENCE DES CELLULES GERMINALES SOUS L'EFFET D'UN PESTICIDE ORGANOCHLORE: LE DDT. [STRUCTURAL ANOMALIES AND DEGENERATION OF GERM CELLS INDUCED BY A CHLORINATED HYDROCARBON PESTICIDE: THE DDT.] Bull. Soc. Zool. Fr. 101 (2): 341-347. 1976. In French with English summ. WR 165
[Univ. Clermont, B.P. 45, 63170 Aubiere, France] Abstract: An electronic investigation of gonadal germ cells in Quail embryos [/Coturnix coturnix japonica/] (5 days old), issued from eggs treated with DDT before incubation, shows, besides the pycnotic hypertrophied cells observed by light microscopy, the development, in many gonocytes, of both lysosomal inclusions and moderate to severe structural lesions in the cytoplasmic organelles. The high frequency of degeneration would be responsible, for the most part, of the embryonic gonadal germ deficit.

77-001494 Friedenbach, D. J.; Davison, K. L. ANATOMICAL EVIDENCE ASSOCIATED WITH THE DDT-INDUCED EGGSHELL THINNING SNYDROME OF THE DUCK. Proc. N. Dak. Acad. Sci. 30 (1): 14. Apr. 1976. WR 165
[N. Dak. State Univ., Fargo 58102] Abstract only. DDT has been reported to cause eggshell thinning in a variety of avian species. The mallard duck (/Anas platyrhynchos/) is susceptible to DDT-induced eggshell thinning but the domestic chicken (/Gallus domesticus/) is not.--From abstr.

77-001495 Fyfe, Richard W.; Risebrough, Robert W.; Walker, Wyman II POLLUTANT EFFECTS ON THE REPRODUCTION OF THE PRAIRIE FALCONS AND MERLINS OF THE CANADIAN PRAIRIES. Can. Field-Nat. 90 (3): 346-355. July-Sept. 1976. WR 165
[Canadian Wildl. Serv., Edmonton, Alberta, Canada T5J 1S6] /Falco mexicanus/ and /F. columbarius richardsonii/.

77-001496 Goddard, Charles; Smith, Robert L. THE DETERMINATION OF DDT (DICHLORODIPHENYLTRICHLOROETHANE) AND EQUIVANENT METABOLITES IN THE /PASSER DOMESTICUS/, (L.) 1785. Trans. Mo. Acad. Sci. 7-8: 264. 1973-1974. WR 165
[Southeast Mo. State Univ., Cape Girardeau] Abstract only.

77-001497 Haseltine, Susan Dorothy DDE-PTH INTERACTION IN EGGSHELL PRODUCTION IN MALLARDS, PHEASANTS, AND KING PIGEONS. Ph. D. dissertation, Ohio State Univ. 101p. 1976. From Diss. Abstr. Int. B Sci. Eng. 37(8), 1977. WR 165
/Anas platyrhynchos/, /Phasianus colchicus/ and /Columba livia/.

77-001498 Henny, Charles J.; Bean, Jerry R.; Fyfe, Richard W. ELEVATED HEPTACHLOR EPOXIDE AND DDE RESIDUES IN MERLIN THAT DIED AFTER MIGRATING. Can. Field-Nat. 90 (3): 361-363. July-Sept. 1976. WR 165
[U.S. Fish Wildl. Serv., Denver Federal Center, Denver, Colo. 80225] /Falco columbarius richardsonii/.

77-001499 Moulding, Jonathan D. EFFECTS OF A LOW-PERSISTENCE INSECTICIDE ON FOREST BIRD POPULATIONS. Auk 93 (4): 692-708. Oct. 1976. WR 165
[Rutgers Univ., New Brunswick, N.J. 08903]

77-001500 Nettles, Victor F. ORGANOPHOSPHATE TOXICITY IN WILD TURKEYS. J. Wildl. Dis. 12 (4): 560-561. Oct. 1976. WR 165
[Univ. Ga., Athens 30602] Abstract: An accidental poisoning of wild turkeys (/Meleagris gallopavo silvestris/) by O,O-Diethyl O-[p-(methylsulfinyl) phenyl] phosphorothioate is reported. Diagnosis was achieved by history, clinical observations, postmortem lesions, diagnostic therapy and pesticide analysis.

77-001501 Peakall, David B.; Kemp, A. C. ORGANOCHLORINE RESIDUE LEVELS IN HERONS AND RAPTORS IN THE TRANSVAAL. Ostrich 47 (2&3): 139-141. Sept. 1976. WR 165
[Canadian Wildl. Serv., Ottawa, Ontario, Canada K1A 0H3] Data for 13 spp.

77-001502 Peakall, David B. THE PEREGRINE FALCON (/FALCO PEREGRINUS/) AND PESTICIDES. Can. Field-Nat. 90 (3): 301-307. July-Sept. 1976. WR 165
[Canadian Wildl. Serv., Ottawa, Ontario, Canada K1A 0H3]

77-001503 Spittler, H. VERSUCHE ZUM EINFLUSS VCN HEBBIZIDEN AUF DIE EMBRYONALENTWICKLUNG VON /PHASIANUS COLCHICUS/ SPEC. (L.) UND /COTURNIX COTURNIX JAPONICA/ (L.). [EXPERIMENTS ON THE INFLUENCE OF HERBICIDES ON THE EMBRYO DEVELOPMENT OF /PHASIANUS COLCHICUS/ SPEC. (L.) AND /COTURNIX COTURNIX JAPONICA/ (L.).] Z. Jagdwiss. 22 (4): 197-201. Dec. 1976. In German with French and English summ. WR 165

A description is given of tests on the influence of herbicides with the active substances 2,4-D, MCPA and 2,4,5-T on the embryo development of /Phasianus colchicus/ spec. (L.) and /Cctturnix coturnix japonica/ (L.). The results showed no influence of herbicides in the concentration range up to 12 times the normal intake. Only with a dose 30 times more than normal did the results diminish by 10 percent to 15 percent as opposed to the control groups with a value of 50 percent. There was no sign of an increased incidence of anomalies.--From summ.

BIRDS--PARASITES & DISEASES

77-001504 Coggins, James R. EFFECT OF DIET AND HABITAT ON THE PARASITIC FAUNA OF THREE BIRD SPECIES. J. Elisha Mitchell Sci. Soc. 91 (2): 73. 1975. WR 165

Abstract only. /Turdus migratorius/, /Quiscalus quiscula/ and /Agelaius phoeniceus/.

77-001505 Forrester, Donald J.; Greiner, Ellis C.; McFarlane, Robert W. BLOOD PARASITES OF SOME COLUMBIFORM AND PASSERIFORM BIRDS FROM CHILE. J. Wildl. Dis. 13 (1): 94-96. Jan. 1977. WR 165

[Univ. Fla., Gainesville 32610] Abstract: Ninety-one birds of 23 species from Chile were examined for haematozoa; 13 birds of seven species harbored species of /Haemoproteus/, /Leucocytozoon/, /Plasmodium/, /Trypanosoma/ and microfilariae. Haemoproteids (representing four species) were the most common parasites and occurred in 10 of the 13 infected birds.

77-001506 Graber, M.; Euzeby, J. /TRICHOCEPHALOIDIS BEAUPORTI/ N. SP. CESTODE NOUVEAU DES CHARADRIIFORMES ET DE CERTAINS PASSERIFORMES DE LA GUADELOUPE. [/TRICHOCEPHALOIDIS BEAUPORTI/ N. SP., NEW CESTODE OF CHARADRIIFORMES AND SOME PASSERIFORMES IN GUADELUPE.] Ann. Parasitol. Hum. Comp. 51 (2): 189-198. Mar.-Apr. 1976. In French with English summ. WR 165

[Ecole Natl. Vet., F-69337 Lyon Cedex 1, France] /Tringa flaviceps/, /Micropalama himantopus/, /Gallinago gallinago delicata/, /Squatarola squatarola/ and /Quiscalus lugubris/.

77-001507 Lloyd, Clare S.; Thomas, G. J.; Macdonald, J. W.; Borland, E. D.; Standring, K.; Smart, J. L. WILD BIRD MORTALITY CAUSED BY BOTULISM IN BRITAIN, 1975. Biol. Conserv. 10 (2): 119-129. Sept. 1976. WR 165

[Roy. Soc. Protection of Birds, The Lodge, Sandy, Bedfordshire SG19 2DL, England]

77-001508 Quentin, J.-C.; Troncy, P.-M.; Barre, N. /APROCTA CYLINDRICA/ LINSTOW, 1883, FILAIRE OVIPARE PARASITE D'OISEAUX PLOCEIDES AU TCHAD. MORPHOGENESE LARVAIRE DU NEMATODE. [/APROCTA CYLINDRICA/ LINSTOW, 1883, AN OVIPAROUS FILARIA PARASITE OF PLOCEID BIRDS FROM TCHAD. LARVAL MORPHOGENESIS.] Ann. Parasitol. Hum. Comp. 51 (1): 83-93. Jan.-Feb. 1976. In French with English summ. WR 165
[Mus. Natl. Hist. Nat., 43 rue Cuvier, 75231 Paris Cedex 05, France] /Quelea quelea/, /Ploceus capitalis/, /P. cucullatus/ and /Euplectes orix/.

77-001509 Williams, Norman A.; Bennett, Gordon F.; Troncy, P. M. AVIAN HEMATOZOA OF SOME BIRDS FROM TCHAD. J. Wildl. Dis. 13 (1): 59-61. Jan. 1977. WR 165
[Memorial Univ. Newfoundland, St. John's, Newfoundland, Canada] A total of 389 birds of 32 species representing 14 families from Chad were examined for blood parasites. The occurrance of the different genera differed markedly between bird families; members of the Ploceidae comprised 85 percent of the infected birds.--From abstr.

77-001510 Wink, Michael; Bennett, Gordon F. BLOOD PARASITES OF SOME BIRDS FROM GHANA. J. Wildl. Dis. 12 (4): 587-590. Oct. 1976. WR 165
[Univ. Bonn, 53 Bonn 1, West Germany] A total of 135 birds of 26 species in 13 families was examined for blood parasites; 43 birds (31.9 percent) of 13 species were infected; species of the Ploceidae were the most heavily infected.--From abstr.

BIRDS--ECONOMICS, DAMAGE, PREDATION, CONTROL

77-001511 Becker, Carl N.; Byers, Steve M. GREEN HERON AS A POTENTIAL PREY SPECIES OF THE BROAD-WINGED HAWK. Bird-Banding 47 (4): 365-366. 1976. WR 165
[NALCO Environ. Sci., 1500 Frontage Rd., Northbrook, Ill. 60062] /Butorides virescens/ and /Buteo playpterus/ in Massachusetts.

77-001512 Potvin, Normand; Bergeron, Jean-Marie; Fernet, Camille REGIME ALIMENTAIRE D'OISEAUX FREQUENTANT UN AGROSYSTEME. [FOOD HABITS OF BIRDS FREQUENTING AN AGROSYSTEM.] Can. J. Zool. 54 (11): 1992-2000. Nov. 1976. In French with English summ. WR 165
[Univ. Sherbrooke, Sherbrooke, Quebec, Canada]

77-001513 Schultz, John W. GREAT HORNED OWL PREDATION OF GRAY PARTRIDGE. Prairie Nat. 8 (1&2): 21. Mar.-June 1976. WR 165
[N. Dak. Game & Fish Dep., Rugby 58368] /Bubo virginianus/ and /Perdix perdix/ in North Dakota.

GALLINACEOUS BIRDS--GENERAL

77-001514 Stabler, Robert M.; Kitzmiller, Nancy J. /PLASMODIUM PEDIOECETII/ SHILLINGER, 1942, EMEND. STABLER ET AL., 1973, IN COLORADO GALLINACEOUS BIRDS. J. Colo.-Wyo. Acad. Sci. 7 (6): 43. May 1975. WR 165
[Colo. Coll., Colorado Springs] Abstract only.

77-001515 Taibel, Alulah M. EXPERIMENTI IBRIDOLOGICI NEL GENERE /ORTALIS/ MERR. (GALLIFORMES, CRACIDAE): IBRIDI F(1) FERTILI /ORTALIS GUTTATA/ (SPIX) X /O. CANICOLLIS/ (WAGL.). [EXPERIMENTAL HYBRIDIZATION IN THE GENUS /ORTALIS/ MERR. (GALLIFORMES, CRACIDAE): FERTILE F(1) HYBRID /ORTALIS GUTTATA/ (SPIX) X /O. CANICOLLIS/ (WAGL.).] Riv. Ital. Ornitol. 44 (4): 250-271. Dec. 1974. In Italian. WR 165

GROUSE & PTARMIGAN

77-001516 Andreev, A. V.; Krechmar, A. V. [RADIOTELEMETRIC STUDY OF MICROCLIMATE IN SNOW RESTING PLACES OF /TETRASTES BONASIA SIBIRICUS/.] Zool. Zh. 55 (7): 1113-1114. July 1976. In Russian with English summ. WR 165
[Far East Sci. Cent. USSR, Acad. Sci., Magadan, USSR]

77-001517 Archibald, Herbert L. SPRING DRUMMING PATTERNS OF RUFFED GROUSE. Auk 93 (4): 808-829. Oct. 1976. WR 165
[Purdue Univ., West Lafayette, Ind. 47907]
/Bonasa umbellus/ in Minnesota.

77-001518 Aulie, Arnfinn; Steen, Johan B. THERMOREGULATION AND MUSCULAR DEVELOPMENT IN COLD EXPOSED WILLOW PTARMIGAN CHICKS (/LAGOPUS LAGOPUS/ L.). Comp. Biochem. Physiol. A Comp. Physiol. 55 (3): 291-295. 1976. WR 165
[Univ. Tromso, 9000 Tromso, Norway]

77-001519 Beck, Thomas D. I. SAGE GROUSE FLOCK CHARACTERISTICS AND HABITAT SELECTION IN WINTER. J. Wildl. Manage. 41 (1): 18-26. Jan. 1977. WR 165
[Colo. Div. Wildl., 526 Pine, Glenwood Springs 81601] /Centrocercus urophasianus/ in Colorado.

77-001520 Beck, Thomas D. I. WINTER ECOLOGY OF SAGE GROUSE IN NORTH PARK, COLORADO. J. Colo.-Wyo. Acad. Sci. 7 (6): 43. May 1975. WR 165
[Colo. Coop. Wildl. Res. Unit, Fort Collins] Abstract only. /Centrocercus urophasianus/.

77-001521 Bowman, Thomas J.; Robel, Robert J. BROOD BREAK-UP, DISPERSAL, MOBILITY, AND MORTALITY OF JUVENILE PRAIRIE CHICKENS. J. Wildl. Manage. 41 (1): 27-34. Jan. 1977. WR 165
[Bays Mountain Park, RR 4, Kingsport, Tenn. 37660] /Tympanuchus cupido pinnatus/ in Kansas.

77-001522 Caldwell, Patrick John ENERGETIC AND POPULATION CONSIDERATIONS OF SHARP-TAILED GROUSE IN THE ASPEN PARKLAND OF CANADA. Ph. D. dissertation, Kans. State Univ. 121p. 1976. From Diss. Abstr. Int. B Sci. Eng. 37(9), 1977. WR 165
/Pedioecetes phasianellus/.

77-001523 Hoffman, Richard W.; Braun, Clait E. COMPOSITION, DISTRIBUTION, AND SIZE OF WINTER FLOCKS OF WHITE-TAILED PTARMIGAN. J. Colo.-Wyo. Acad. Sci. 7 (5): 68-69. Apr. 1974. WR 165
[Colo. State Univ., Fort Collins 80523] Abstract only. /Lagopus leucurus/ in Colorado.

77-001524 Hoffman, Richard W.; Braun, Clait E. MIGRATION OF WHITE-TAILED PTARMIGAN IN COLORADO. J. Colo.-Wyo. Acad. Sci. 7 (6): 45. May 1975. WR 165
[Wildl. Res. Cent., Colo. Div. Wildl., Fort Collins] Abstract only. /Lagopus leucurus/.

77-001525 Schemnitz, Sanford D. CHARACTERISTICS OF MAINE RUFFED GROUSE DRUMMING SITES. Res. Life Sci. 23 (11): 1-6. Sept. 1976. WR 165
[N. Mex. State Univ., Las Cruces 88003] /Bonasa umbellus/.

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[Univ. Mo., Columbia 65201] /Coturnix coturnix japonica/.

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[N. Mex. Dep. Game & Fish, Santa Fe 87503] Status of /Haliaeetus leucocephalus/ in New Mexico.

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[Wis. Dep. Nat. Resour., Ranger Station, Friendship 53934] /Buteo swainsoni/.

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[Transvaal Mus., P.O. Box 413, Pretoria 0001, South Africa] /Melierax gabar/ in South Africa.

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[Univ. Wyo., Laramie] Abstract: One /Falco rusticolus/ and two of 24 /Falco peregrinus/ were positive for /Plasmodium relictum/. Sixteen percent of the erythrocytes (RBC) of the gyrfalcon were parasitized. Following treatment with chloroquine and parasite burden was dramatically reduced (to less than 0.01 percent). Infection in peregrine falcons was low (0.01-0.4 percent RBCs were parasitized). This is the second report of /Plasmodium/ in the gyrfalcon and the first report in the peregrine falcon.

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[Univ. Southwestern La., Lafayette 70501] /Tyto alba/ and /Strix varia/ in Louisiana.

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[Dep. Zool., South Parks Rd., Oxford OX1 3PS, England]

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[Weber State Coll., Ogden, Utah 84408] /Asio otus/.

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/Aquila pennata/.

77-001845 Mattox, W. G. BIRD OF PREY RESEARCH IN WEST GREENLAND, 1974. Polar Record 17 (109): 387-388. Jan. 1975. WR 165
[307 Blandford Dr., Worthington, Ohio] /Falco rusticolus/ and /F. peregrinus/.

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[Univ. Ariz., Tucson 85721] /Falco sparverius/.

77-001847 Mosher, James A.; White, Clayton M. DIRECTIONAL EXPOSURE OF GOLDEN EAGLE NESTS. Can. Field-Nat. 90 (3): 356-359. July-Sept. 1976. WR 165
[Frostburg State Coll., Frostburg, Md. 21532] Data from Golden Eagle (/Aquila chrysaetos/) nest sites (Alaska, Montana, Utah, and Texas) suggest that developing eagle chicks may be quite sensitive to thermal stress.--From abstr.

77-001848 Mosher, James A.; Henny, Charles J. THERMAL ADAPTIVENESS OF PLUMAGE COLOR IN SCREECH OWLS. Auk 93 (3): 614-619. July 1976. WR 165
[Frostburg State Coll., Frostburg, Md. 21532] /Otus asio/ in Ohio.

77-001849 Mueler, Helmut C.; Berger, Daniel D.; Allez, George AGE AND SEX VARIATION IN THE SIZE OF GOSHAWKS. Bird-Banding 47 (4): 310-318. 1976. WR 165
[Univ. N.C., Chapel Hill 27514] /Accipiter gentilis/ in Wisconsin.

77-001850 Mundy, Peter THE TWO FACES OF THE HOODED VULTURE. Bokmakierie 28 (4): 84-86. Dec. 1976. WR 165
/Necrosyrtes monachus/ in Nigeria.

77-001851 Nelson, R. Wayne BEHAVIORAL ASPECTS OF EGG BREAKAGE IN PEREGRINE FALCONS. Can. Field-Nat. 90 (3): 320-329. July-Sept. 1976. WR 165
[Univ. Calgary, Calgary, Alberta, Canada T2N 1N4] Abstract: Egg breakage by Peregrine Falcons is considered in terms of (a) accidental breakage or (DDE-induced) thin-shelled eggs, and (b) destruction of the eggs accidentally or deliberately by abnormal parental behavior. Interspecific differences exist in the behavioral responses to elevated DDE levels in the body, broken eggs in the nest, and normally hatched eggshells. Although behavioral abnormalities have been observed in some other species, little evidence is available to implicate aberrant behavior as a cause of egg breakage in peregrines. Normal peregrine incubation behavior is quite adequate to account for accidental breakage of thinner-than-normal eggshells.

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[Univ. Calgary, Calgary, Alberta T2N 1N4, Canada] /Falco peregrinus pealei/.

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[Inst. Terrestrial Ecol., 12 Hope Terrace, Edinburgh EH9 2AS, Scotland]

77-001854 Nunn, G. L.; Klem, D., Jr.; Kimmel, T.; Merriman, T. SURPLUS KILLING AND CACHING BY AMERICAN KESTRELS (/FALCO SPARVERIUS/). Anim. Behav. 24 (4): 759-763. Nov. 1976. WR 165
[Southern Ill. Univ., Carbondale 62901]

77-001855 Ogden, Verland T.; Hornocker, Maurice G. NESTING DENSITY AND SUCCESS OF PRAIRIE FALCONS IN SOUTHWESTERN IDAHO. J. Wildl. Manage. 41 (1): 1-11. Jan. 1977. WR 165
[Idaho Fish & Game Dep., Dubois] /Falco mexicanus/.

77-001856 Oliphant, L. W.; Thompson, W. J. P. FOOD CACHING BEHAVIOR IN RICHARDSON'S MERLIN. Can. Field-Nat. 90 (3): 364-365. July-Sept. 1976. WR 165
[Univ. Saskatchewan, Saskatoon, Saskatchewan, Canada S7N 0W0] /Falco columbarius richardsonii/ in Canada.

77-001857 Oliphant, L. W.; Thompson, W. J. P.; Donald, T.; Rafuse, R. PRESENT STATUS OF THE PRAIRIE FALCON IN SASKATCHEWAN. Can. Field-Nat. 90 (3): 365-368. July-Sept. 1976. WR 165
[Univ. Saskatchewan, Saskatoon, Saskatchewan, Canada S7N 0W0] /Falco mexicanus/.

77-001858 Olsson, Viking BERGUVEN /BUBO BUBO/ I SVERIGE 1974-1975. [THE EAGLE OWL /BUBO BUBO/ IN SWEDEN IN 1974-1975.] Var Fagelvarld 35 (4): 291-297. 1976. In Swedish with English summ. WR 165
[Stigarvagen 1, S-611 00 Nykoping, Sweden]

77-001859 Perco, Fabio IPOTESI PER LA REINTRODUZIONE NATURALE DEL GRIFONE /GYPS FULVUS FULVUS/ (HABLIZL) E DEL GIPETO /GYPAETUS BARBATUS AUREUS/ (HABLIZL) NELLE ALPI ORIENTALI QUALI SPECIE NIDIFICANTI. [PROPOSAL FOR THE NATURAL REINTRODUCTION OF THE GRIFFON VULTURE /GYPS FULVUS FULVUS/ AND THE BEARDED VULTURE /GYPAETUS BARBATUS AUREUS/ INTO THE EASTERN ALPS AS A BREEDING SPECIES.] Riv. Ital. Ornitol. 45 (4): 349-358. Dec. 1975. In Italian with English summ. WR 165
[Univ. Trieste, Trieste, Italy]

77-001860 Pilz, Wayne R. POSSIBLE CANNIBALISE IN SWAINSON'S HAWK. Auk 93 (4): 838. Oct. 1976. WR 165
[N. Mex. State Univ., Las Cruces 88003] /Buteo swainsoni/.

77-001861 Platt, Joseph B. GYRFALCON NEST SITE SELECTION AND WINTER ACTIVITY IN THE WESTERN CANADIAN ARCTIC. Can. Field-Nat. 90 (3): 338-345. July-Sept. 1976. WR 165
[Cornell Univ., Ithaca, N.Y. 14853] /Falco rusticolus/.

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[Univ. Calif., Los Angeles 90024] Possible steps in the evolution of the compound nest are considered by comparing three different species of weaverbirds (Ploceidae) of the subfamily Plocepasserinae, the Sociable Weaver (/Philetairus socius/) of southern Africa, the grey-capped Social Weaver (/Pseudonigrita arnaudi/) of East Africa, and the White-browed Sparrow Weaver (/Plocepasser mahali/) of East Africa.--From abstr.

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As the Nation's principal conservation agency, the Department of the Interior has responsibility for most of our nationally owned public lands and natural resources. This includes fostering the wisest use of our land and water resources, protecting our fish and wildlife, preserving the environmental and cultural values of our national parks and historical places, and providing for the enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to assure that their development is in the best interests of all our people. The Department also has a major responsibility for American Indian reservation communities and for people who live in island territories under U.S. administration.

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